

Rec'd PGT/PTO 15 DEC 2005

#4

SEQUENCE LISTING

<110> Hansen, Rhonda

<120> GENE PRODUCTS DIFFERENTIALLY EXPRESSED
IN CANCEROUS BREAST CELLS AND THEIR METHODS OF USE

<130> 2300-17767

<150> 60/345,637

<151> 2002-01-08

<160> 516

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 114

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 70

<223> n = A,T,C or G

<400> 1

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gccagaaggn aaggttcctt cctggtggac tgcagcaaag ctggctccaa catg 114

<210> 2

<211> 430

<212> DNA

<213> Homo sapiens

<400> 2

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cctcgccctt gaaatcatgc ccctaggtct cctgtggctg ggccctagccc tgttgggggc 120
tctgcatgcc caggcccagg actccacctc agacctgatc ccagccccac ctctgaacaa 180
ggtccctctg cagcagaact tgcaggacaa ccaattccag gggaagtggg atgtggtacg 240
cctggcaggg aatgcaattc tcagagaaga caaagaccgc caaaagatgt atgccaccat 300
ctatgagctg aaagaagaca agagctacaa tgtcacctcc gtctgtttta ggaaaaagaa 360
gtgtgactac tggatcacga cttttgttcc aggttgccag cccggcgagt tcacgctggg 420
caacattaag 430

<210> 3

<211> 527

<212> DNA

<213> Homo sapiens

<400> 3

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agttgaatca caatgagacc gttggctttg aatttgagtc gttggttccc atggtgagat 180
gcttggttaa actttatact tgggtcaatc tctcacttta tttttagaaa ccatttgaaa 240
tcctaggatg tgcttgttct ggaaggatga catgggcca gactgaacaa gtcagcttga 300
tgatcttaaa tgatggaagt ataggacgtt gcttatttta aaacaaggga aggacacaaa 360
atggaatgac tgcttagtcc tttctcagat actcttaaaa caatttttta ttgttaaatt 420

tgtggtaata	catggtcaca	accgtggatc	aaacaaggtc	agtctaaagt	ggcaggctcct	480
aggtgtgacc	tgataaccacc	accctttgtg	gcagcaccgg	gctggac		527

<210> 4
 <211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 186, 188
 <223> n = A,T,C or G

<400> 4						
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gagtgggact	gactggctcc	agacagacca	tgttctacac	agagggtgaca	gatgcccagc	180
gtacgntncc	aggtgggggc	ctgggtggagg	aggggtgagct	cattgagggtg	gtgcacctgc	240
ccctggaagg	cgcccaggcc	tt				262

<210> 5
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 5						
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gaaggaagga	agagcctcaa	aataagtgtg	cacccatgca	catattcagg	aacagcttgt	120
ttagtcttta	cactttgcct	gaaagttgct	tctcctcgtc	cctttgtgtg	cctgggtggc	180
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<210> 6
 <211> 621
 <212> DNA
 <213> Homo sapiens

<400> 6						
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acatccagat	gacccagtct	ccatcctccc	tgtctgcac	tggttgagac	agagtcacca	120
tcgcttgccg	ggcaagtcag	agcattggca	tctattttaa	ttggtatcaa	caaaaaccag	180
ggaaagcccc	taaactcctg	atctatgatt	catccagatt	gcaaagtggg	gtcccatcaa	240
ggttcagttg	cagtggaggt	gggacacact	tcactctcac	catcagcagt	ctgcaacctg	300
aagatttagc	aacttactac	tgtcaacaag	ggtacagtac	acctggcacc	ttcggccaag	360
ggacacgact	ggaaattaaa	cgaactgtgg	ctgcaccatc	tgtcttcac	ttcccgccat	420
ctgatgagca	gttgaaatct	ggaactgcct	ctgttgtgtg	cctgctgaat	aacttctatc	480
ccagagaggc	caaagtacag	tggaaggtgg	ataacgccct	ccaatcgggt	aactcccagg	540
aggggtgtca	cagagcagga	cagcaaggac	agcacctaca	gcctcagcag	caccctgacg	600
ctgagcaaag	cagactacga	g				621

<210> 7
 <211> 548
 <212> DNA
 <213> Homo sapiens

<400> 7						
gacagcatgg	acatgagggt	ccccgctcag	ctcctggggc	tcctgctact	ctggctccga	60
ggtgccagat	gtgacatcca	gatgacccag	tctccatcct	ccctgtctgc	atctgtttga	120
gacagagtca	ccatcgcttg	ccgggcaagt	cagagcattg	gcatctattt	aaattgggtat	180
caacaaaaac	cagggaaaagc	ccctaaactc	ctgatctatg	attcatccag	attgcaaagt	240
gggggtcccat	caagggttcag	tggcagtgga	ggtgggacac	acttcactct	caccatcagc	300
agtctgcaac	ctgaagattt	agcaacttac	tactgtcaac	aagggtacag	tacacctggc	360

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accttcgggcc aagggacacg actggaaatt aaacgaactg tggctgcacc atctgtcttc 420
atcttcccgcc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 480
aataactttct atcccagaga ggccaaagta cagtgggaagg tggataacgc cctccaatcg 540
ggtaactc 548

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<210> 8
<211> 430
<212> DNA
<213> Homo sapiens

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<400> 8
tatacacaac atttatttca aactattggg agggatgaga gtggcttaaa aacttccatc 60
cctacttttc aagagtgcag ttgattctga atctgaaagc ccgcctctgt cctaaaatac 120
aaacaagcac agacattaaa cctggatact atatgataaa gagggatgta actattgaat 180
tggatacaag gatcagaatg gaaagaaact cacgatgaaa ttgaacctgg tttttgtata 240
tttatcaaac ttgtgctgag aatagtgtct gattatacga cttttaagca aagttgggtg 300
taattaggtg aaaacagccc aggtcctccc gggagcacag aggggctagg ggctggctct 360
tctcgtttgc tctagtcttg ctttgcctgc tgggtgtagct cctctgctgc tcccatctgc 420
actaattgac 430

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<210> 9
<211> 493
<212> DNA
<213> Homo sapiens

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<400> 9
ctcactatatt ggaatttggc cctcgaggcc aagaattcgg cacgaggcgg cacgaggtgt 60
aactattgaa ttggatacaa ggatcagaat ggaaagaaac tcacgatgaa attgaacctg 120
gtttttgtat atttatcaaa cttgtgctga gaatagtgtc tgattatacg acttttaagc 180
aaagttgggt gtaattaggt gaaaacagcc caggtcctcc cgggagcaca gaggggctag 240
gggctggctc ttctcgtttg ctctagtctt gctttgctgt ctggtgtagc tcctctgctg 300
ctcccatctg cactaattga cccaaaacgt ggggtatttcc tgctacacaa aagccaaaag 360
gtttcatgta gatttttagtt cactaaaggg tgcccacaaa atagagatta attttaactt 420
aaattttaag cttgaagatt aggtactatc tgtgaagtta cacttttttt ttttttttaa 480
aaggaaaaaa tgt 493

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<210> 10
<211> 472
<212> DNA
<213> Homo sapiens

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<400> 10
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gaaattgaac ctggtttttg tatattttatc aaacttgtgc tgagaatagt gtctgattat 120
acgactttta agcaaagttg ggtgtaatta ggtgaaaaca gccaggtcc tccggggagc 180
acagaggggc taggggctgg tccttctcgt ttgctctagt cttgctttgc tgtctggtgt 240
agctcctctg ctgctcccat ctgcactaat tgacccaaaa cgtgggtatt tcctgctaca 300
caaaagccaa aaggtttcat gtagatttta gttcactaaa gggtgccac aaaatagaga 360
ttaattttta cttaaatttt aagcttgaag attaggtact atctgtgaag ttacactttt 420
ttattttttt ttaaaggtag agatgtgtgt gtgtgtaggt attaaagatg tg 472

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<210> 11
<211> 271
<212> DNA
<213> Homo sapiens

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<400> 11
gtttttcttt tttttatata caacatttat ttcaaactat tgggagggat gagagtggct 60
taaaaacttc catccctact tttcaagagt gcagttgatt ctggggggga aagccgcct 120
ctgtcctaaa atacaaacaa gcacagacat taaacctgga tactatatga taaagaggga 180
tgtaactatt gaattggata caaggatcag aatggaaaga aactcacgat gaaattgaac 240

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ctgggtttttg tatattttatc aaactttgtgc t

271

<210> 12

<211> 343

<212> DNA

<213> Homo sapiens

<400> 12

gttttttcttt	tttttataca	caacatttat	ttcaaactat	tgggagggat	gagagtggct	60
taaaaacttc	catccctact	tttcacgagt	gcagctgatt	ctgaatctga	aagcccgct	120
ctgtcctaaa	atacaaacac	gcacagacat	tagacctgga	tactatatga	tacagaggga	180
tgttaactatt	gaattggata	cacggatcac	aatggaaaga	aactcacgat	gaaattgaac	240
ctggctttttg	tatattttatc	aaactttgtgc	tgagaatagc	gcctgattat	acgactttta	300
agcaaagctg	ggtgtaatta	ggtgaaaaca	gcccacgtcc	tcc		343

<210> 13

<211> 345

<212> DNA

<213> Homo sapiens

<400> 13

agtggcgagc	aggttcccac	ttgccaaaga	tcccttttta	ccaacactag	cccttgtttt	60
taacacacgc	tccagccctt	catcagcctg	ggcagcttta	ccaaaatgtt	taaagtgatc	120
tcagaggggc	ccatggatta	acgccctcat	cccaagggtcc	gtcccatgac	ataacactcc	180
acacccgccc	cagccaactt	catgggtcac	tttttctgga	aaataatgat	ctgtacagac	240
aggacagaat	gaaactcctg	cgggtctttg	gcctgaaagt	tgggaatggt	tgggggagag	300
aagggcgagc	gcttattggt	ggtcttttca	ccattggcag	aaacg		345

<210> 14

<211> 401

<212> DNA

<213> Homo sapiens

<400> 14

ttttccaagt	ccgtttcagt	cccttccttg	gtctgaagaa	attctgcagt	ggcgagcagt	60
ttcccacttg	ccaaagatcc	cttttaacca	acactagccc	ttgtttttta	cacacgctcc	120
agcccttcat	cagcctgggc	agtcttacca	aaatgtttta	agtgatctca	gaggggccc	180
tggattaacg	ccctcatccc	aagggtccgtc	ccatgacata	acactccaca	cccgcgccag	240
ccaacttcat	gggtcacttt	ttctggaaaa	taatgatctg	tacagacagg	acagaatgaa	300
actcctgcgg	ctctttggcc	tgaaagtgtg	gaatggttgg	gggagagaag	ggcagcagct	360
tattggtggt	cttttcacca	ttggcagaaa	cagtgagagc	t		401

<210> 15

<211> 442

<212> DNA

<213> Homo sapiens

<400> 15

ggcagccggc	ccacatgtct	ctcaagtacc	tgtcccctcg	ctctggtgat	tatttcttgc	60
agaatcacca	cacgagacca	tcccggcagt	catggttttg	ctttagtttt	ccaagtccgt	120
ttcagtcctt	tccttgggtc	gaagaaattc	tgcagtggcg	agcagtttcc	cacttgccaa	180
agatcccttt	taaccaaac	tagcccttgt	ttttaacaca	cgctccagcc	cttcacagc	240
ctgggcagtc	ttaccaaagt	gtttaaagt	atctcagagg	ggcccatgga	ttaacgcct	300
catcccaagg	tccgtcccat	gacataacac	tccacacccg	ccccagccaa	cttcattgggt	360
cactttttct	ggaaaataat	gatctgtaca	gacaggacag	aatgaaactc	ctgcggctct	420
ttggcctgaa	agtgggaatg	gt				442

<210> 16

<211> 256

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 96
 <223> n = A,T,C or G

<400> 16
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 tggaaaatat ggaatgtcat ctacgaagaa aactgnttta agccacagac cattaaaaga 120
 ccttaaattcc tttggcttct ggtcaaggga caagtgaaga gaacactttt tacagttggc 180
 tagaaggctct ctgtgtagaa aaaagagctt ctacagactt atatctggcc tacatgcaag 240
 ccattaatgt gcattt 256

<210> 17
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 17
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 tttttcctat attaaccagt attaaaatct caagtaagat tttccagtgc cagaacatgt 180
 taggtggaat tttaaaagt cctcggcatc ctgtattaca tgtcatagaa ttgtaaagtc 240
 aacatcaatt actagtaatc attctgcact cactgggtgc atagcatggt tagaggggct 300
 agagatggac agtcatcaac tggcggatat agcggtagat atgacacctt gccaccaggg 360
 cacaagctta ccagtagaca atacagacag agcttttggt gagct 405

<210> 18
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 18
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 ttacctaaat tcaagaaaat gaaattacac ttttaagtta gtggtgctta agcataattt 120
 ttcctatatt aaccagtatt aaaatctcaa gtaagatttt ccagtgccag aacatgttag 180
 gtggaatttt aaaagtgcct cggcatcctg tattacatgt catagaattg taaagtcaac 240
 atcaattact agtaatcatt ctgcactcac tgggtgcata gcatggttag aggggctaga 300
 gatggacagt catcaactgg cggatatagc ggtacatatg atccttagcc accagggcac 360
 aagctttacca gtagacaata cagacagagc ttttgttgag ctgtaactga gctatggaat 420
 agcttctttg atgtacctct ttgcctt 447

<210> 19
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 19
 tgtgatttca tttgaaactg tgaaaccatg tgccataata gaattttgag aattttgctt 60
 ttacctaaat tcaagaaaat gaaattacac ttttaagtta gtggtgctta agcataattt 120
 ttcctatatt aaccagtatt aaaatctcaa gtaagatttt ccagtgccag aacatgttag 180
 gtggaatttt aaaagtgcct cggcatcctg tattacatgt catagaattg taaagtcaac 240
 atcaattact agtaatcatt ctgcactcac tgggtgcata gcatggttag aggg 294

<210> 20
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 20

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aggagcaggt tggactggcc atccgaagca agattgcaga tggcagtgtg aagagagaag 60
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ccttggaag gtcactgaaa aatcttcaat tggactatgt tgacctctat cttattcatt 180
ttccagtgtc tgtaaagcca ggtgaggaag tgatcccaa agatgaaaat ggaaaaatac 240
tatttgacac agtggatctc tgtgccacat gggaggccat ggagaagtgt aaagatgcag 300
gattggccaa gtccatcggg gtgtccaact tcaaccacag gctgctggag atgatcctca 360
acaagccagg gctcaagtac aagcctgtct gcaaccaggt ggaatgtcat ccttacttca 420
accagagaaa actgctggat ttctgcaagt caaaagacat tgttctgggt gcctatagtg 480
ctctgggatc ccatcgagaa gaaccatggg tggacccgaa ctccccgggt ctcttggagg 540
accagtcct ttgtgccttg gc

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<210> 21
<211> 721
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 626, 685, 696
<223> n = A,T,C or G

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<400> 21
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ggtcccgacc agccttggaa aggtcactga aaaatcttca attggactat gttgacctct 180
atcttattca ttttccagtg tctgtaaagc cagggtgagga agtgcaccca aaagatgaaa 240
atggaaaaat actatttgac acagtggatc tctgtgccac atgggaggcc atggagaagt 300
gtaaagatgc aggattggcc aagtccatcg ggggtgtccaa cttcaaccac aggcgtgctgg 360
agatgatcct caacaagcca gggctcaagt acaagcctgt ctgcaaccag gtggaatgtc 420
atccttactt caaccagaga aaactgctgg atttctgcaa gtcaaaagac attgttcttg 480
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tgctcttgga ggacccagtc ctttgtgcct tggcaaaaaa gcacaagcga accccaccct 600
gattgccttg cgctaccagc ttgcancgtg gggttgtggt cctggccaag agcttcaatg 660
agcacgcac agacagaacg tgcangtgtt tgaatncagt tgacttcaga aggagatgaa 720
a

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<210> 22
<211> 496
<212> DNA
<213> Homo sapiens

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<400> 22
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tgagaggcag aagaacagac ctaaactctt taaaaaagga aaaaatatta gggaagatga 120
tcttgtaaga atgttgcaaa ctgttgcaaa gaaattcgac ttcagtaatt tgagtagtag 180
gttagatgga gtcagatttg aaaatgaaaa aaattaatgt tattgccaag aacactggta 240
ataaactgaa gctaagtcag aaaaaatggt tgtttgctag atcccaatgg agaaaagtgt 300
gtaactgctc ctctgcaggt ctctgctctt caccataaag acattgctct gtctttgggt 360
gctgcaagtg atggagctac agtctgtgtt accacaagg gagatattta cttacttgca 420
gactatcagt gcaagaagat ggcttctaaa cagttgaact tgaaaaaagt tcttgtgtct 480
gggggtcata tggaat

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<210> 23
<211> 549
<212> DNA
<213> Homo sapiens

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<400> 23
ctgcatttga agttcacaaa agtaatcaag ctcaaacagt tagtgagagg cagaagagca 60
gacctaaatc ttgtaaaaaa ggaaaaaata ttagggaaga tgatcctgta agaattgtgc 120

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aaactgttgc	aaagaaattc	gacttcagta	atttgagtag	taggttagat	ggagtcagat	180
ttgaaaatga	aaaaaattaa	tgttattgcc	aagaacactg	gtaataaact	gaagctaagt	240
cagaaaaaat	ggttgtttgc	tagatcccaa	tggagaaaag	tgtgtaactg	ctcctcgtca	300
ggtctctgct	cttcaccata	aagacattgc	tctgtccttg	gttgctgcaa	gtgatggagc	360
tacagtctgt	gttaccacaa	ggggagatat	ttacttactt	gcagactatc	agtgcaagaa	420
gatggcttct	aaacagttga	acttgaaaaa	agttcttgtg	tctgggggtc	atatggaata	480
caaggttgat	cctgaacatt	tgaagaaaaa	tgggggtcaa	aaaatttgca	ttcttgcaat	540
ggatggagc						549

<210> 24
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 24						
gtgtctgcct	tcacaaatgt	cattgtctac	tcctagaaga	accaaatacc	tcaat	55

<210> 25
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 25						
tccttatttta	tttaacttca	cccgagttcc	tctgggtttc	taagcagtta	tggatgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tgggtacatc	120
aagttcatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatctct	tcattgcttga	catacctacc	agtattatct	240
ccgacgacac	atatacatat	gagaatatac	cttattttatt	tttgtgtagg	tgtctgcctt	300
cacaaatgtc	attgtctact	cctagaagaa	ccaaatacct	caatttttgt	ttttgagtac	360
tgtactatcc	tgtaaatata	tcttaagcag	gtttgttttc	agcactgatg	gaaaatacca	420
gtgttggggt	tttttttagt	tgccacagtt	gtatgtttgc	tgattattta	tgacccgaaa	480
aatatatttc	ttctccta					498

<210> 26
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 26						
gtcgtgcct	ctgggggccc	tgtacaccgc	ggcgcgtcgc	gcttttagtgc	tgtacaagtgc	60
tgtggggggg	ggagatgaaa	ctgcggttct	ccaccaggag	gcaagcaagc	agcagccact	120
gcagtcagag	caacagctgg	cccagttgac	acaacagctg	gccagacag	agcagcacct	180
gaacaacctg	atggcccagc	tggacccctt	ttttgagccg	tgtgactact	ctggctggag	240
cccagcagga	gcttctgaac	atgaagctat	ggaccatcca	cgagctgctg	caagatagca	300
agccggacaa	ggatatggag	gcttc				325

<210> 27
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 27						
gaatccagca	tcttaaagtt	gcatatgtgt	agcactaatg	tttcttttta	aatagttggg	60
ggaaaatgac	ctagaaaacc	aaattgcagt	tggtagcca	aaattaactc	ttggtttatt	120
tgtcctttgt	gtgtgaaaag	tcctactatt	cgtgcgtca	gacttc		166

<210> 28
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 28
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 aatgcaggac catccaggtc ctcaaagtct gcgaggtttg ttcataatcc caaacaaggg 180
 ccctgctggc agcaacagga cagggtggggc caggacaggg aagctggagc aggaggccag 240
 tgtctttggg ggctgtggca gggccgcctg cctgggggttc ccttactcat ctggtagttc 300
 atgcaggcca cgccctcat ctcccaggaa cgggccatgg ggcgagtcca ctggtgcca 360
 gtaacaccct ccgtgggacc accttgggaa gcatgtgccg cggagtccac cacggggggg 420
 cctgggtccc gggagggtc cttctgcgtg ctggccatgt cgtgccgcac ggccagga 480
 caggaggtag aggtgagcac c 501

<210> 29
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 29
 cgtcccggag gtgcggtgtg gggcaccggg cggggccgcg ggaaccggcg cccacaggag 60
 ctgctgctgt cagaccaacc ccgggcccc atcatcactg cgccgcgctt tcaggcgccg 120
 agaactaccg ttcccggcat gccatgaaa 149

<210> 30
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 30
 agcagtaaac agggctgcta tgctgtctct gtagtggtgg acggcgaagt aaagcattgt 60
 gtcataaaca aaacagcaac tggctatggc ttgcccagc cctataactt gtacagctct 120
 ctgaaagaac tgggtgtaca ttaccaacac acctcccttg tgcagcaca cgactccctc 180
 aatgtcacac tagcctaccc agtatatgca cagcagaggc gatgaagcgc ttactctttg 240
 atccttctcc tgaagttag ccacctgag gcctctggaa agcaaagggc tcctctccag 300
 tctgatctgt gaattgagct gcagaaacga agccatcttt ctttggatgg gactagagct 360
 ttctttcaca aaaaagaagt aggggaagac atgcagccta aggctgtatg atgaccacac 420
 gttcctaagc tggagtgtt atcccttctt tttctttttt tctttggtt aattt 475

<210> 31
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 31
 cttttttttt tttttttttt tactggcatc ctgtacattt acttttataaa aaggataaca 60
 aaaatgaata ttaacaaaaa tccgggacaa caatattttc aagcaacaaa aactgggggtg 120
 gggaagctta ttctgaagg acatttataaa ctgaaataac aacttaatga aaattaagaa 180
 ttgcatagcg ctgtgaattt agccttcagc aaaacaaaac agaagctatt tgggtattgat 240
 acaaatccat ctatttgata gttagtcac caatattatg tacatatttt atatactgaa 300
 tgtcatttta agtcctgttt tccaaactcc atttttctgt tgctgggttt ttgttttttg 360
 acaagttaaa cactttctgg cactttctat gacagaattt cttctgaaca tacatgaact 420
 gacattctcc caaagcgtcc cttgtgagtg gacgcgcctt tctgtacat atcgttcatt 480
 tgttacaaaa tgaaataatc cacagtgcga tgtgtctggg tccaccgtgc acagcaacat 540
 ccaggctaaa ccaggctgga ccaaaccctc 570

<210> 32
 <211> 645
 <212> DNA
 <213> Homo sapiens

<400> 32
 tccgagcgtc gggagcctgt ggaagagaag agcgcgcggg cgacagttaa acaggcccga 60
 ggcagagaaa ccgccctagc agctctcgcg cgcccggtgc aggcggcggt tgctgcggag 120


```

gtccgtgcac agactgcttt gcctgttggt gctcttcgga ggcggcgatc cccgaaggcg 180
agctgaaata cggctgcagg ctacaatttg cagccgacga ttaaggaaga cgacgagcgg 240
gagagggtggc ccaccctcat ggagcgcttg tgctcggatg gcttcgcatt tccccattac 300
tacattaaac cgtatcatct gaagaggatc cacagagctg tcttacgtgg taatctggag 360
aaactgaagt accttctgct cacgtattat gacgccaata agagagacag gaaggaaagg 420
actgccctac atttggcctg tgccactggc caaccggaaa tggtagatct cctgggtgtcc 480
agaagatgtg agcttaacct ctgcgaccgt gaagacaggc cacctctgat caaggctgta 540
caactgaggc aggaggcttg tgcaactctt ctgctgcaaa tggcgccgat ccaaataatta 600
cggtatgtctt tggaaggact gctctgcact acgctgtgta taatg 645

```

```

<210> 33
<211> 572
<212> DNA
<213> Homo sapiens

```

```

<400> 33
ctaactgagt aacattcatg aaatgaggct ttctgtggcg gcgtagtggt tggaattaga 60
aggttaattca gtagagtgtg acttagagaa tattgcaagt gacacattga atcctgcccg 120
tcagggcacc ttttcctcag agcaatccgg ccacacgaat agaaggctgt cgtgaatcac 180
atcagatgta aaatcattcc ttctgtttac tcttttaatt ttcattcctt gcaggtagtg 240
caaattcaac ttcaaatatg gtgtaggttt tgctagattc catatttttt tcttggattt 300
ttgctaatta ttttttagcaa aaaatttttg ctgagtggca ccctccctag tgtccatggg 360
ttagggccat gctggggaaa acgggcccgt atttacacac gcgcaaaaca cccagagacg 420
gcacaaggag gttgaactca tgtttcagtt cgcgaaacatt gactccttac gaaagtcact 480
tcattctaac tagatgcgcc cacttctggt cattatttcg tttgcatgat gtattgcttc 540
ttcacgtttt gtttttattg agcacggagt ag 572

```

```

<210> 34
<211> 701
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34, 41, 43, 52, 58, 72, 180, 204, 205, 211, 214, 228, 243,
253, 269, 271, 295, 315, 343, 429, 439, 457, 483, 517, 529,
546, 554, 555, 557, 560, 561, 565, 627, 632, 637, 644, 655,
659, 662, 672, 680, 689, 690, 698
<223> n = A,T,C or G

```

```

<400> 34
ggcacgaggc taactgtgta acatttatga aatntgctct ntntggcggc gnaggggncg 60
gaatgagaag gnaattcagt agagtgtaac ttagagaata ttgcaaggga cacattgaat 120
cctgcccgtc agggcacctt ttctcagag caatccggcc acacgaatag aaggctgcgn 180
gaatcacatc agatgtaaaa tcannccctc ngngactct ttttaattntc atcctttgca 240
ggtagggcaa atncaacttc aaatatggng naggttttgc tagattccat atttntttct 300
tggatttttg ctaantattt ttagcaaaaa atttttgctc agnggcaccc tccctagtgt 360
ccatgggtta gggccatgct ggggaaaacg ggccggtatt tacacacgcy caaaacaccc 420
agagacggna caaggaggnt gaactcatgt ttcagtnccg gaacattgac tccttacgaa 480
agncacttca ttctaactag atgcgcccac ttctggncat tattacgant gcatgaagga 540
ttgctncttc acgnntnggn nttantgagc acgggagtag aaattccagg gctggcttga 600
catcttcctt gcatgctccc tcccagngga cngtccttcc cttncacatg agganctgnc 660
gnccatggtg gntttctccn ttgggcctnn tgggactngg a 701

```

```

<210> 35
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 35

```

```

gctaactgag.taacattcat gaaatgaggc tttctgtggc ggcgtagtgt ttggaattag 60
aaggtaattc agtagagtgt aacttagaga atattgcaag tgacacattg aatcctgccc 120
gtcagggcac cttttcctca gagcaatccg gccacacgaa tagaaggctg tcgtgaatca 180
catcagatgt aaaatcattc cttctgttta ctcttttaat tttcatcctt tgcaggtagt 240
gcaaattcaa cttcaaatat ggtgtagggt ttgctagatt ccatatTTTT ttcttggatt 300

```

```

<210> 36
<211> 374
<212> DNA
<213> Homo sapiens

```

```

<400> 36
tggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cggagggggtc 60
ctggagaatg ggttacccca gttgtcttat ttaaattggtt acccatcaga ttttaatttt 120
atcttctctt tgagagcttg gtaataagaa gcacttaaatt cactccaaag aagacttttaa 180
aaaggagaca gtgaaaaggc ctttaataatt tattgattga attaagaaat actagctaatt 240
taagaatctg agtctaaaca gcacagattt tttctttctg ctttttaaatt gtgtttttaa 300
aaaagagaca gggggctggg cgtggtggct cagcctgta atcctagcac tttgggaggc 360
cgaggcgggt ggat 374

```

```

<210> 37
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<400> 37
gaggggtcct ggagaaatgg gttaccccag ttgtcttatt taaatgggta cccatcagat 60
tttaatttta tcttctcttt gagagcttgg taataagaag cacttaaatt actccaaaga 120
agacttttaa aaggagacag tgaaaaggct ttaataattt attgattgaa ttaagaaata 180
ctagctaatt aagaatctga gtctaaacag cacagatttt ttctttctgc ttttaaattg 240
tgttttaaaa aaagagacag ggggctgggc gtggtggctc acgcctgtaa 290

```

```

<210> 38
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<400> 38
gccctttcga gcggccgccc gggcaggtac ctgggattac aggcacccac caccacgcct 60
ggctaatttt tttttgtatc ttttagtagg ttttgccatg ttggccaggc tggctctttaa 120
ctcctacctc gtgatccacc cgctcggcc ccccaaagtg ctaggaccac aggcgtgagc 180
caccacgccc agccccctgt ctcttttttt aaaacacaat taaaagcag aaagaaaaaa 240
tctgtgctgt ttagactcag attcttaatt agctagtatt tcttaattca atcaataaat 300
tattaagacc ttttcaactgc tcccttttta aagtcttctt tggagtgatt taagtgtctc 360
ttattaccaa gctctcaaag agaagataaa attaaaatct gatgg 405

```

```

<210> 39
<211> 736
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, 17, 18, 19, 20, 21, 22,
23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,
37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50,
51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64,
65
<223> n = A,T,C or G

```

```

<220>
<221> misc_feature
<222> 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80,
81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94,
95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107,
108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118
<223> n = A,T,C or G

<220>
<221> misc_feature
<222> 119, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636,
637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648,
649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660,
661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671
<223> n = A,T,C or G

<220>
<221> misc_feature
<222> 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683,
684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695,
696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707,
708, 709, 710, 711, 712, 713, 714, 729, 736
<223> n = A,T,C or G

<400> 39
gnnnnnnnnna gacnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
nnnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnna 120
cctgggatta caggcaccca ccaccacgcc tggctaattt ttttttgtat ctttagtagg 180
gttttgccat gttggccagg ctggtcttta actcctacct cgtgatccac ccgcctcggc 240
cccccaaagt gctaggacca caggcgtgag ccaccacgcc cagccccttg tctctttttt 300
taaaacacaa tttaaaagca gaaagaaaaa atctgtgctg tttagactca gattcttaat 360
tagctagtat ttcttaattc aatcaataaa ttattaagac cttttcactg ctcccttttt 420
aaagtcttct ttggagtgat ttaagtgctt cttattacca agctctcaaa gagaagataa 480
aattaaaatc tgatgggtaa ccattttaat aagacaactg gggtaaccca tttctccagg 540
accctctct gcaacagaga gctattctct ttctttggcc tagtaaacct ctgctcttaa 600
cctttaaaaa aaaaaaaaaa gtaccnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnncatagt 720
ggttctctgng tgaaan 736

<210> 40
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20,
21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34,
35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48,
49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62,
63
<223> n = A,T,C or G

<220>
<221> misc_feature
<222> 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78,
79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92,
93, 94, 95, 96, 97, 98, 605, 606, 607, 608, 609, 610, 611,
612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623
<223> n = A,T,C or G

```

```

<220>
<221> misc_feature
<222> 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635,
636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647,
648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659,
660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670
<223> n = A,T,C or G

<220>
<221> misc_feature
<222> 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682,
683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694,
695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706,
707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717
<223> n = A,T,C or G

<400> 40
gnnnnnnnnn anngnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctgggattac aggcacccac 120
caccacgcct ggctaatttt tttttgtatc ttttagtagg ttttgccatg ttggccaggc 180
tggtctttta ctctacctc gtgatccacc cgccctcgcc ccccaaagtg ctaggaccac 240
aggcgtgagc caccacgccc agccccctgt ctcttttttt aaaacacaat ttaaaagcag 300
aaagaaaaaa tctgtgctgt ttagactcag attcttaatt agctagtatt tcttaattca 360
atcaataaat tattaagacc ttttcaactgc tcccttttta aagtcttctt tggagtgatt 420
taagtgtctt ttattaccaa gctctcaaag agaagataaa attaaaatct gatgggtaac 480
catttaaata agacaactgg ggtaacccat ttctccagga cccctctctg caacagagag 540
ctattctctt tctttggcct agtaaacctc tgctcttaac ctttaaaaaa aaaaaaaaag 600
taccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngt 720
atccg 725

<210> 41
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 243, 267
<223> n = A,T,C or G

<400> 41
ccggaaaaaa agaaccattt ggatacatag gtatgggtctg agctatgata tcaattggct 60
tcctagggtt tatcgtgtga gcacaccata tatttacagt aggaatagac gtagacacac 120
gagcatattt cacctccgct accataatca tcgctatccc caccggcgct aaagtattta 180
gctgactcgc cacactccac ggaagcaata tgaaatgatc tgctgcagtg ctctgagccc 240
tangattcat ctttcttttc accgtangtg gcctgactgg cattgtatta gcaaactcat 300
cactagacat cgtactacac gacacgtact acgttgtagc ccacttccac tatgtcctat 360
caataggagc tgtatttgcc atcataggag gcttcattca ctgatttccc ctattctcag 420
gctacaccct agaccaaacc tacgcaaaa tccatttcac tatcatattc atcg 474

<210> 42
<211> 540
<212> DNA
<213> Homo sapiens

<400> 42
cataggtatg gtctgagcta tgatatcaat tggcttccta gggtttatcg tgtgagcaca 60
ccatatattt acagtaggaa tagacgtaga cacacgagca tatttcacct ccgctaccat 120

```

```

aatcatcgct atccccaccg gcgtcaaagt atttagctga ctcgccacac tccacggaag 180
caatatgaaa tgatctgctg cagtgtctctg agccctagga ttcatctttc ttttcaccgt 240
aggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgtag tacacgacac 300
gtactacgtt gtagccact tccactatgt cctatcaata ggagctgtat ttgccatcat 360
aggaggcttc attcactgat tccccctatt ctgaggctac accctagacc aaacctacgc 420
caaaatccat ttcactatca tattcatcgg cgtaaactta actttcttcc cacaacactt 480
tctcggccta tccggaatgc cccgacgtta ctcggtactac cccgatgcat acaccacatg 540

```

```

<210> 43
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<400> 43
gaccatgagt catttagaat agtgataaat agaatacaca gaatagtgat gaaattcaat 60
ttaaaaaatc acgttagcct ccaaaccatt taattcaaat gaacccatca actggatgcc 120
aactctggcg aatgtaggac ctctgagtgg ctgtataatt gtaattcaa atgaaattca 180
tttaaacagt tgacaaactg tcattcaaca attagctcca gtaaataaca gttatttcat 240
cataaaacag tcccttcaaa cacacaattg ttctgctgaa gaggttgcat caacaatcca 300
atgctcacct attcagttgc tctgtggtca gtgtggctgc atagcagtgg attccatgaa 360
aggagtcatt ttagtgatga gctgccagtc cattcccagg ccaggctgtc gctggccatc 420
cattcagtcg attcagtcag aggcgaatct gttctgcccg aggcctgtgg tcaagcaaaa 480
attcagccct gaaatcaggc acatctgttc gttggactaa acccacaggt tagttcagtc 540
aaagcaggca acccccttgt gggcactgac cctgccactg gggtcatt 587

```

```

<210> 44
<211> 622
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 491, 541, 556, 561, 568, 578, 585
<223> n = A,T,C or G

```

```

<400> 44
accatgagtc atttagaata gtgataaata gaatacacag aatagtgatg aaattcaatt 60
taaaaaaatc cgtaggcctc caaaccattt aattcaaatg aacccatcaa ctggatgcc 120
actctggcga atgtaggacc tctgagtggc tgtataattg ttaattcaaa tgaaattcat 180
ttaaacagtt gacaaactgt cattcaacaa ttagctccag taaataacag ttatttcatc 240
ataaaacagt cccttcaaac acacaattgt tctgctgaag agttgtcatc aacaatccaa 300
tgctcaccta ttcagttgct ctgtggtcag tgtggctgca tagcgtggga ttccatgaaa 360
ggagtcattt tagtggtgga gctgccagtc cttcccgggc cgggtgtcgc tgggccatcc 420
ttcagtcggt tcgtcatagg cgatctgttc tgcccagggg ttgtggtcag gcaaaattca 480
gcctgaatt ngggcactct gtctgttggg ctaaaacccc ggtagttca gtcaaggcgg 540
naacccctt gtgggnactg nctggcntt ggggtctngg cggnttggcc gttggggagg 600
tttggcccca cggcctctgt gg 622

```

```

<210> 45
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<400> 45
aaggcaggaa tgtcaggcct ctgagcccaa gccaaagccat cgcattccct gtgacttgca 60
cgtatacacc cagatggcct gaagtaactg aagaatcaca aaagaagtga aaaggccctg 120
ccccgcctca actgatgaca ttccaccatg gtgatttggt cctgccccac ttaactgag 180
tgattaaccc tgtgaatttc cttctcctgg ctgagaagct cccccactga gcaccttggt 240
acccccgcc ctgccacca gagaacaacc ccctttgact gtaatttccc atcaccttcc 300
caaatcctat aaaacggccc caccctatc tccctttgct 340

```

<210> 46
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 46
 aaggcaggaa tgtcaggcct ctgagcccaa gccaaagccat cgcacccctt gtgacttgca 60
 cgtatacacc cagatggcct gaagtaactg aagaatcaca aaagaagtga aaaggccctg 120
 ccccgctca actgatgaca ttccaccatg gtgatttggt cctgccccac cttaactgag 180
 tgattaaccc tgtgaatttc cttctcctgg ctgagaagct cccccactga gcaccttggt 240
 acccccgccc ctgcccacca gagaacaacc ccctttgact gtaatttccc atcaccttcc 300
 caaatcctat aaaacggccc caccctatc tccttttgct gactctcttt ttggactcag 360
 cccgcctgca ccaggtgaa ataaacagcc atgt 394

<210> 47
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 47
 tagccctgat aggcgctatt ttctcctgg ttttgtatgt gaaccgcaag gggataaaaa 60
 agtggatgca taacatcaga gatgcctgca gggatcacat ggaagggtat cttacagat 120
 atgaaatcaa tgcggacccg gggattaaca aacctcagtt ctaactcgga tgtctgagaa 180
 atattagagg acagaccaag gacaactctg catgagatgt agacttaagc tttatcccta 240
 ctaggc 246

<210> 48
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 48
 acatatttcc ttttctcca ttggccacaa tgggctccaa acaaccacat gcagatttta 60
 caaaaagaaa gttccaaaac tgctcaatca aaagaaagat tcaactctgt gagatgaata 120
 cacacatcac aacgaagttt ctgagaatgc ttctgtgttg tttttatgtg aagatatttc 180
 cttttccatc ataggcctct aagtgcacat actatccact tgcagattct acaaaaagag 240
 tgtttcaaaa ctgctcaatc aaaagaaagt atcaactctg tgaggaaatg cacacatcac 300
 aaagaagttt ctgagaatga ttctgtgtag ttttta 336

<210> 49
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 49
 cagaagggtc tgcaagatgc tgttcttggc cactttcttt cccacctggg aaggcggtcat 60
 ctatgacttc attggggagt tcatgaaggc cagcgtggat gtgccagacc tgataggtct 120
 aaaccttgct atgtcccga atgccggcaa gggagagtac aagatcatgg ttgctgccct 180
 gggctgggccc actgctgagc ttattatgtc ccgctgcatt cccctatggg tcggagcccg 240
 gggcattgag tttgactgga agtacatcca gatgagcata gactccaaca tcagtctggt 300
 ccattacatc gtcgcgtctg ctgaggtctg gatgataaca cgctatgatc tgtaccacac 360
 cttccggcca gctgtcctcc tgctgatgtt cctcagtgtc tacaaggcct ttgttatgga 420
 gaccttcgtc cacctctgct cgctgggcag ttgggcagct ctactggccc gagcagtggg 480
 aacggggctg ctggccctca acactttggc cctgtatg 518

<210> 50
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 50
tctgcaagat gctgttcttg gccactttct ttcccacctg ggaaggcggc atctatgact 60
tcattgggga gttcatgaag gccagcgtgg atgtgccaga cctgataggt ctaaacccttg 120
tcatgtcccg gaatgccggc aaggagagt acaagatcat ggttgctgcc ctgggctggg 180
ccactgtctga gcttattatg tcccgtgca ttcccctatg ggtcggagcc cggggcattg 240
agtttgactg gaagtacatc cagatgagca tagactccaa catcagctctg gtccattaca 300
tcgtcgcgtc tgctcaggtc tggatg 326

<210> 51
<211> 331
<212> DNA
<213> Homo sapiens

<400> 51
acattgaaaa aagtctagac aaactgaaag gcaataaatc ctatgtgaac atggacctct 60
ctccgggtgg agagtgcatt gaccacgctc taacaagtct cttccctaag actcattatg 120
ccgctggaaa agatgccaaa attttctgga tacctctgtc tcacatgcca gcagctttgc 180
aagacttttt attgttgaaa cagaaagcag agctggctaa tcccaaggca gtgtgactca 240
gctaaccaca aatgtctcct ccaggctatg aaattggccg atttcaagaa cacatctcct 300
tttcaacccc attccttate tgcaccaacc g 331

<210> 52
<211> 253
<212> DNA
<213> Homo sapiens

<400> 52
acagaaggga tcgaagacaa attgaaggga gagatgatcg atctccaaca tggcagcctt 60
ttccttagaa caccaaagat tgtctctggc aaagactcta atgtaactgc aaactccaag 120
ctggctatta tcacggctgg ggcacgtcag caagaggag aaagccgtct taatttggtc 180
cagcgtaacg tgaacatatt taaattcatc attcctaatt ttgtaaaata cagccccgaac 240
tgcaagttgc tta 253

<210> 53
<211> 356
<212> DNA
<213> Homo sapiens

<400> 53
atcgaagaca aattgaaggg agagatgatg gatctccaac atggcagcct tttccttaca 60
acaccaaaga ttgtctctgg caaagactat aatgtaactg caaactccaa gctggctatt 120
atcacggctg gggcacgtca gcaagaggga gaaagccgtc ttaatttggt ccagcgtaac 180
gtgaacatat ttaaattcat cattcctaaa gttgtaaaat acagcccga cgtgaagttg 240
cttattgttt caaatccagt ggatatcttg acctacgtgg cttggaagat aagtggtttt 300
cccaaaaacc gtgttattgg aagaggttgc aatctggatt caacccgatt ccgcta 356

<210> 54
<211> 570
<212> DNA
<213> Homo sapiens

<400> 54
ccgctgccgc cgattccgga tctcattgcc acgcgcccc gacgaccgcc cgacgtgcat 60
tcccgaattc ttttggttcc aagtccaata tggcaactct aaaggatcag ctgatttata 120
atcttctaaa ggaagaacag acccccaga ataagattac agttgttggg gttggtgctg 180
ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa ctgtctcttg 240
ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat ggcagccttt 300
tccttagaac accaaagatt gtctctggca aagactataa tgtaactgca aactccaagc 360
tggtcattat cacggctggg gcacgtcagc aagagggaga aagccgtctt aatttggtcc 420
agcgtaacgt gaacatattt aaattcatca ttcctaattg tgtaaaatac agcccgaact 480
gcaagttgct tattgtttca aatccagtgg atatcttgac ctacgtggct tgggaagataa 540

gtgggttttcc caaaaaccgt gttattggaa

570

<210> 55

<211> 223

<212> DNA

<213> Homo sapiens

<400> 55

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gccgctgccg cggattccgg atctcattgc cacgcgcccc cgacgaccgc cggacgtgca 60
ttccccgattc cttttgggttc caagtccaat atggcaactc taaaggatca gctgatttat 120
aatctttctaa aggaagaaca gacccccccag aataagatta cagttgttgg ggttgggtgct 180
gttggcatgg cctgtgccat cagtatctta atgaaggact tgg 223
```

<210> 56

<211> 337

<212> DNA

<213> Homo sapiens

<400> 56

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gatgcccata agatatggga agctatgtta tcaagccata ttagatatca agcattaata 60
tggaataaaa ccagcctgtt tgggtgggctc ttccatgga cgcgcatgaa atttgggtgcc 120
gtgactagga tcggggggacc tcccttggga gatcaatccc ctgtcctcct gctctttgct 180
ccgtgagaaa catgcaccta tggcctcatg ttctcaaacc gaccaaacca agaaacatct 240
caccaatttt aaatccgcct ggcttgtgag gccttttgac cccaattcaa gtcttttgat 300
accctgtgaa ttgcacccat actgcccaga tggctag 337
```

<210> 57

<211> 473

<212> DNA

<213> Homo sapiens

<400> 57

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aaagatcaaa gtgctgggct ccggtgcggt cggcacgggtg tataagggac tctggatccc 60
agaaggtagag aaagttaaaa ttcccgtcgc tatcaaggaa ttaagagaag caacatctcc 120
gaaagccaac aaggaaatcc tcgatgaagc ctacgtgatg gccagcgtgg acaacccccca 180
cgtgtgccgc ctgctgggca tctgcctcac ctccaccgtg caactcatca cgcagctcat 240
gcccttcggc tgccctcctgg actatgtccg ggaacacaaa gacaatattg gctcccagta 300
cctgctcaac tgggtgtgtgc agatcgcaaa gggcatgaac tacttggagg accgtcgctt 360
ggtgcaccgc gacctggcag ccaggaacgt actggtgaaa acaccgcagc atgtcaagat 420
cacagatttt gggctggcca aactgctggg tgcggaagag aaagaatacc atg 473
```

<210> 58

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7

<223> n = A,T,C or G

<400> 58

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actatcnccc aggacatggg accatgctca gctggttgct atcaagacct tgaaagacta 60
taacaacccc cagcaatgga tggaatttca acaagaagcc tccctaattg cagaactgca 120
ccaccccaat attgtctgcc ttctaggtgc cgtcactcag gaacaacctg tgtgcatgct 180
ttttgagtat attaatcagg gggatctcca tgagttcctc atcatgagat ccccacactc 240
tgatgttggc tgagcagtg atgaagatgg gactgtgaaa tccagcctgg accacggaga 300
ttttctgcac attgcaattc agattgcagc tggcatggaa tacctgtcta gtcacttctt 360
tgtccacaag gaccttggca gctcgcaata ttttaatcgg agaggcaact ttcatgttaa 420
aggttttcag gacttggggg ctttccagag gaaattttac tccgctgatt tactacaggg 480
```


<210> 59

<211> 532

<212> DNA

<213> Homo sapiens

<400> 59

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atagaagtct gggaaaaaaa taaaaacaga atttgagaac cttggaccac tctgtccct 60
gtagctcagt catcaaagca gaagtctggc tttgctctat taagattgga aatgtacact 120
accaaact cagtccactg ttgagcccca gtgctggaag ggaggaaggc ctttcttctg 180
tgtaattgc gtaaaggcta caggggttag cctggactaa aggcacctt gtcttttgag 240
ctattcacct cagtagaaaa ggatctaagg gaagatcact gtagtttagt tctgttgacc 300
tgtgcaccta ccccttgga atgtctgctg gtatttctaa ttccacagg catcagatgc 360
ctgcttgata atatataaac aataaaaaca accttactt cttcctattg taatcgtgtg 420
ccatggatct gatctgtacc atgacctac ataaggctgg atggcaccoc aggctgaggg 480
cccaatgta tgtgtggctg tgggtgtggg tgggagtgtg tctgctgagt aa 532

```

<210> 60

<211> 608

<212> DNA

<213> Homo sapiens

<400> 60

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tacggcggg atagagtctg gaaaaataa aaacagaatt tgagaacctt ggaccactcc 60
tgtccctgta gctcagtcac caaagcagaa gtctggcttt gctctattaa gattggaaat 120
gtacactacc aaacactcag tccactgttg agccccagtg ctggaaggga ggaaggcctt 180
tcttctgtgt taattgcgta gaggtacag gggttagcct ggactaaagg catccttctg 240
ttttgagcta ttcacctcag tagaaaagga tctaaggga gatcactgta gtttagttct 300
gttgacctgt gcacctacc cttggaatg tctgctggta tttctaattc cacaggatcat 360
cagatgcctg cttgataata tataaacaat aaaaacaacc ttcacttctt cctattgtaa 420
tcgtgtgcca tggatctgat ctgtaccatg acctacata aggctggatg gcacccagg 480
ctgagggccc caatgtatgt gtggctgtgg gtgtgggtgg gagtgtgtct gctgagtaag 540
gaacacgatt ttcaagattc taaagctcaa ttcaagtga acattaatga taaactcaga 600
tctgatca 608

```

<210> 61

<211> 480

<212> DNA

<213> Homo sapiens

<400> 61

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tagatgacac tgatgattct caccagtctt atgagtctca ccattctgat gaatctgatg 60
aactggtcac tgattttccc acggacctgc cagcaaccga agttttcact ccagttgtcc 120
ccacagtaga cacatatgat ggccgagggtg atagtgtggt ttatggactg aggtcaaaat 180
ctaagaagtt tcgcagacct gacatccagt acctgatgc tacagacgag gacatcacct 240
cacacatgga aagcgaggag ttgaatggtg catacaaggc catccccgtt gccaggacc 300
tgaacgcgcc ttctgattgg gacagccgtg ggaaggacag ttatgaaacg agtcagctgg 360
atgaccagag tgctgaaacc cacagccaca agcagtcag attatataag cggaaagcca 420
atgatgagag caatgagcat tccgatgtga ttgatagtca ggaactttcc aaagtcagcc 480

```

<210> 62

<211> 440

<212> DNA

<213> Homo sapiens

<400> 62

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aggagatccg gcagatgggc actgagtgcc attacttcat ctgtgatgtg ggcaaccggg 60
aggaggtgta ccagacggcc aaggccgtcc gggagaagggt gggtgacatc accatcctgg 120
tgaacaatgc cgccgtggtc catgggaagg gcctaattga cagtgatgat gatgccctcc 180

```

tcaagtccca	acacatcaac	accctggggc	agttctggac	caccaaggcc	ttcctgccgc	240
gtatgctgga	gctgcagaat	ggccacatcg	tgtgcctcaa	ctccgtgctg	gcactgtctg	300
ccatccccgg	tgccatcgac	taccgcacat	ccaaagcgtc	agccttcgcc	ttcatggaga	360
gcctgacctt	ggggctgctg	gactgtccgg	gagtcagcgc	caccacagtg	ctgcccttcc	420
acaccagcac	cgagatgttc					440

<210> 63
 <211> 589
 <212> DNA
 <213> Homo sapiens

<400> 63						
ggcactgagt	gccattactt	catctgtgat	gtgggcaacc	gggaggaggt	gtaccagacg	60
gccaaaggccg	tccgggagaa	ggtgggtgac	atcaccatcc	tggtgaacaa	tgccgcctg	120
gtccatggga	agggccta	ggacagtgat	gatgatgccc	tcctcaagtc	ccaacacatc	180
aacaccctgg	gccagttctg	gaccaccaag	gccttcctgc	cgcgatgct	ggagctgcag	240
aatggccaca	tcgtgtgct	caactccgtg	ctggcaactg	ctgccatccc	cggtgccatc	300
gactaccgca	catccaaagc	gtcagccttc	gccttcattg	agagcctgac	cctggggctg	360
ctggactgtc	cgggagtcag	cgccaccaca	gtgctgcctt	tccacaccag	caccgagatg	420
ttccagggca	tgagagtcag	gtttcccaac	ctctttcccc	caactgaagcc	ggagacgggtg	480
gcccggagga	cagtggaagc	tgtgcagctc	aaccaggccc	tcctcctcct	cccatggaca	540
atgcatgccc	tcgttatctt	gaaaagcata	cttccacagg	ctgcactcg		589

<210> 64
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 64						
gcatattgtg	ctcggggaag	ggttcttgtc	attgtgggaa	gtgcatttgt	tctgctgaag	60
agtggatat	ttctggggag	ttctgtgact	gtgatgacag	agactgagac	aaacatgatg	120
gtctcatttg	tacaggggaat	ggaatatgta	gctgtggaaa	ctgtgaatgc	tgggatggat	180
ggaatggaaa	tgcatgtgaa	atctggcttg	gctcagaata	tccttaacaa	ttacatgaga	240
gaggtctgga	ttcttatttt	ttctggggca	ttagaacata	taaattgcga	ggaaaccatg	300
tatattcacc	act					313

<210> 65
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 65						
tgtgaatcag	cagatggcat	attgtgctcg	gggaagggtt	cttgtcattg	tgggaagtgc	60
atttgttctg	ctgaagagtg	gtatatctt	ggggagttct	gtgactgtga	tgacagagac	120
tgcgacaaac	atgatggctt	catttgtaca	gggaatggaa	tatgtagctg	tggaaactgt	180
gaatgctggg	atggatggaa	tggaaatgca	tgtgaaatct	ggc		223

<210> 66
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 66						
ggtacagatt	tagagcctgt	aatcccagct	acttgggagt	ctaaggcaag	agaatccctt	60
gaacctggga	ggtggagatt	gcagtgaagt	gagatcacac	cattgcccta	cagcctgggt	120
gacagtggga	ctgccccaa	aaaaaacaaa	agagacagcc	ctagtgatct	tgtgaagttg	180
ctttggtggg	tcagtctttc	cttttcttaa	agaatagtac	acattgacag	ccaggtagct	240
ctatgatcct	gttctataga	attcaaaaag	tcgacaacct	tcctttgttc	ctttctgttt	300
tctctgccta	cgttagttta	aattggcagt	gtctctgctg	gaataatccc	atctctcttc	360
ctggcttctg	ctgagatggc	tgattaaatc	cttgggtcac	accattatc	tctttatcaa	420
atgg						424

<210> 67
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 67
 ctgtaatccc agctacttgg gagtctaagg caagagaatc ccttgaacct gggagggtgga 60
 gattgcagtg agctgagatc acaccattgc cctacagcct gggtgacagt gagactgccc 120
 caagaaaaaa caaaagagac agccctagtg atcttgtaag ttgccttttg tgggtcagtc 180
 tttccttttc ttaaagaata gtacacattg acagccagggt agctctatga tcctgttcta 240
 tagaattcaa aaagtcgaca accttccttt gtccctttct gttttctctg cctacgttag 300
 tttaaattgg cagtgtctct gctggaataa tcccatctct ctccctgggt tctgctgaga 360
 tggctgatta aatccttggg tcacacccat tatctcttta tcaaatgggt gttcaggcta 420
 ggctcagtggt ttcacgcctg taatcccaac actttggggag actgaggagg gcagatcact 480
 tgagctc 487

<210> 68
 <211> 492
 <212> DNA
 <213> Homo sapiens

<400> 68
 agtcgcgcac cgacgctcaa acgcgcgctc caaccgcgag cctcctcctg cctcaccgcc 60
 cgaagatggc ggctctcaaa ctccctctct cggggtctcg gctctgcgcc tctgcccgcg 120
 gatctggggc aacctggtac aagggatgtg tttgttctt ttccaccagt gctcatcgcc 180
 ataccaagtt ttatacagat ccagtagaag ctgtaaaaga catccctgat ggtgccacgg 240
 ttttggttgg tgggttttgg ctatgtggaa ttccagagaa tcttatagat gctttactga 300
 aaactggagt aaaaggacta actgcagtca gcaacaatgc aggggttgac aattttggtt 360
 tggggctfitt gcttcgggtcc aagcagataa aacgcattgt ctcttcatat gtgggagaaa 420
 atgcagaatt tgaacgacag tacttatctg gtgaattaga agtggagctg acaccacagg 480
 gcacacttgc tg 492

<210> 69
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 69
 tttttttttt tttttttttc tccctttata aggcgatgta cataaatctg aggaatatgg 60
 atgtcttctg gagcaaagtc tccaatatcc acaatttctt caacctctac cactgtgggt 120
 tctgcagctt tgcacattgg caagttgaaa ttccttgcac ttttcctgaa aatcacgttt 180
 cctgctcggt ccgccttcca ggctttcacc aaagcaaaat cccctgtaat tgcttcctcc 240
 aaaataaagt gctgaccatt gaactccctc acctctcttg gcttattggc aatggcaaca 300
 ctgccatctt tgttgtatct gatgggcgat cctccttctt gtaccagggt cccataccct 360
 gttgggggtg aaaatgcagg aactccagcc ccgcctgcac ggatcctctc agcaagtgtg 420
 ccctgtggtg tcagctccac ttctaattca ccagataagt actgtcgttc aaattctgca 480
 ttttctccca cata 494

<210> 70
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 70
 catgatgtat tacaaggagg ccttctggaa gaagaaggat tactgtgggt gcatgatcat 60
 tgaagatgaa gatgctccaa tttcaataac cttagtgac accaagccag atgggtcact 120
 gcctgccatc atgggcttta ttcttgcccg gaaagctgggt cgacttgcta agctacataa 180
 ggaaataagg aagaagaaaa tctgtgagct ctatgccaaa gtgctgggat cccaagaagc 240
 ttacatcca gtgcattatg aagagaagaa ctggtgtgag gagcagtact ctgggggctg 300
 ctacacggcc tacttccctc ctgggatcat gactcaatat ggaagggtga ttcgtcaacc 360

cgtgggcagg attttctttg cgggcacaga gactgccaca aagtggagcg gctacatgga 420
 aggggcagtt gaggctggag aacgagcagc tagggaggtc tt 462

<210> 71
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 71
 catgatgtat tacaaggagg ctttctggaa gaagaaggat tactgtggct gctgatcatt 60
 gaaaatgaag atgctcaatt tcaataacct tggatgacac caagccagat gggcactgc 120
 ctgccatcat gggcttcatt cttgcccgga aagctggctg acttgctaag ctacataagg 180
 aaataaggaa gaagaaaatc tgtgagctct atgccaaagt gctgggatcc caagaagctt 240
 tacatccagt gcattatgaa gagaagaact ggtgtgagga gcagtactct gggggctgct 300
 acacggccta cttccctcct gggatcatga ctcaatatgg aagggtgatt cgtcaaccgc 360
 tgggcaggat tttcttttgc ggcacagaga ctgccacaaa gtggagcggc tacatggaag 420
 gggcagttga ggctggagaa cgagcagcta gggaggtctt aaatggtctc gggaaggtga 480
 ccgagaaaaga catctgggta caagaacctg aatcaaagga cgttccagcg gtagaaatca 540
 cccacacctt ctgggaaagg aacctgcctt ctgtttctgg cctgctgaag atcattggat 600
 ttccacatca gtaactgccc tggggc 626

<210> 72
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 72
 tggatgaactg gtcattccatg aaaaagggtt ttactacatc tattcccaaa catacttttcg 60
 atttcaggag gaaataaaaag aaaacacaaa gaacgacaaa caaatggtcc aatatattta 120
 caaatacaca agttatctctg accctatatt gttgatgaaa agtgctagaa atagttgttg 180
 gtctaaagat gcagaatatg gactctattc catctatcaa gggggaatat ttgagcttaa 240
 ggaaaatgac agaatttttg tttctgtaac aaatgagcac ttgatagaca tggaccatga 300
 agccagtttt ttcggggcct ttttagttgg ctaactgacc tggaaaga 348

<210> 73
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 122, 123
 <223> n = A,T,C or G

<400> 73
 tcaactcagt ggaacacggt tctcccaaac agattttgta attccgaaaa ccacgcatgc 60
 gcaaacatac gcatacactc ccatgttctt ggacagttta tagctacat aacctggcat 120
 tnnccaaaac ataccatggt agactcttgg atacacaagg taattttaga gccacattag 180
 gatgaacctt ctgaaaaagt tatgcat 207

<210> 74
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 74
 gagcttaagg aaaatgacag aatttttgggt tctgtaacaa atgagcactt gatagacatg 60
 gaccatgaag ccagtttttt cggggccttt ttagttggct aactgacctg gaaagaaaaa 120
 gcaataacct caaagtgact attcagtttt caggatgata cactatgaag atgtttcaaa 180
 aaatctgacc aaaacaaaca aacagaaaac agaaaacaaa aaaacctcta tgcaatctga 240
 gtagagcagc cacaacaaa aaattctaca acacacactg ttctgaaagt gactcactta 300

```

tcccaagaaa atgaaattgc tgaaagatct ttcaggactc tacctcatat cagtttgcta 360
gcagaaatct agaagactgt cagcttccaa acattaatgc aatgggtaac atcttctgtc 420
tttataatct actccttgta aagactgtag aagaaagcgc aacaatccat ctctcaagta 480
gtgtatcaca gtagtag                                     497

```

```

<210> 75
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> .96
<223> n = A,T,C or G

```

```

<400> 75
tgagcttaag gaaaatgaca gaatttttgt ttctgtaaca aatgagcact tgatagacat 60
ggaccatgaa gccagttttt tcggggcctt tttagntggc taactgaccc tggaaagaaa 120
aagcaataac ctcaaagtga ctattcagtt ttcaggatga tacactatga agatgtttca 180
aaaaatctga ccaaaacaaa caaacagaaa acagaaaaca aaaaaacctc tatgcaatct 240
gagtagagca gccacaacca aaaaattcta caaca                                     275

```

```

<210> 76
<211> 530
<212> DNA
<213> Homo sapiens

```

```

<400> 76
gacagaaggg gcctctccgc cccgcgtcca gctcgcccag ctcgcccagc gtccgcccgc 60
cctcggccaa ggcttcaacg gaccacacca aaatgccatc tcaaattggaa cacgccatgg 120
aaaccatgat gtttacattt cacaaattcg ctggggataa aggctactta acaaaggagg 180
acctgagagt actcatggaa aaggagttcc ctggattttt ggaaaatcaa aaagaccctc 240
tggctgtgga caaaataatg aaggacctgg accagtgtag agatggcaaa gtgggcttcc 300
agagcttctt ttccctaatt gcgggcctca ccattgcatg taatgactat tttgtagtac 360
acatgaagca gaagggaaaag aagtaggcag aaatgagcag ttcgctcctc cttgataaga 420
gttggtccaa agggctcgctt aaggaatctg cccacagct tccccatag aaggatttca 480
tgagcagatc aggacactta gcaaatgtaa aaataaaatc taactctcat 530

```

```

<210> 77
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<400> 77
gcctctccgc cccgcgtcca gctcgcccag ctcgcccagc gtccgcccgc cctcggccaa 60
ggcttcaacg gaccacacca aaatgccatc tcaaattggaa cacgccatgg aaaccatgat 120
gtttacattt cacaaattcg ctggggataa aggctactta acaaaggagg acctgagagt 180
actcatggaa aaggagttcc ctggattttt ggaaaatcaa aaagaccctc tggctgtgga 240
caaaataatg aaggacctgg accagtgtag agatggcaaa gtgggcttcc agagcttctt 300
ttccctaatt gcgggcctca ccattgcatg taatgactat t                                     341

```

```

<210> 78
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<400> 78
ggcctctccg cccgcgtgc agctcgccca gctcgcccag cgtccgcccgc gcctcggccaa 60
aggcttcaac ggaccacacc aaaatgccat ctcaaattgga acacgccatg gaaaccatga 120
tgtttacatt tcacaaattc gctggggata aaggctactt aacaaaggag gacctgagag 180
tactcatgga aaaggagttc cctggatttt tggaaaatca aaaagaccct ctggctgtgg 240

```

acaaaataat gaaggacctg gaccagtgt gagatggcaa agtgggcttc cagagcttct 300
 tttccctaatt tgcggggcctc accattgcat gcaatgacta ttttgtagta 350

<210> 79
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 79
 acagaagggga caaagagatc tggacagaat cgccggacag gtggcagctg ccaacaagaa 60
 gcattagaac aaaccatgct gggttaataa attgcctcat tcgtaaacaa aaaaaaaaaa 120
 aaaaaaaaaa agtttttttt ttttcccccc attttttatt ttttttcccc c 171

<210> 80
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 80
 tggcgctgtg ttctatggag gaaaacaaaag caggagaggg gagagtgact gctgggtaag 60
 gtcttctctc acctcctttg catcttttgc cacatgccag cttctcctgg gcttcacaga 120
 ccaccaattt ataatttcca tttaaaactt ccattttatt tttttaattt ttattttatt 180
 atttatttat tacgagatgg ggtttcgctc ttgttgccca agattgcacc actgcactgc 240
 agcctgggtg acagagcgag actttgtcaa aaagaaagaa agaaagaagg aaaggaagga 300
 aggaaggaag gaaggaagga aaagaaaaga aagggaagaa aaaaagaaaa agaaagaaag 360
 aaagaaaaaa aaaaaaaagg ggggcccc 389

<210> 81
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 81
 tgcagataca gtggtggagt ggaagtttgc gttggtagag aatgggggag ttaccgcgtg 60
 ggaagaatgc agcaatagat tctagaaac tggccatgag gataaagtgg ttcacgcatg 120
 gtgggggatt cactgattca gtttgcatag taatggagaa gctgtagaac aatgtggaag 180
 aagctgaggt tgtggaacac actgaataaa ataaaggcag tgtgactcca aattcagcca 240
 tctgaattgt ttaaatttgc tagtggattt tgtctactgt gcagaaatat atatgtctaa 300
 tgtgcagaaa tatatatgtg tgtatgtgtg tatatatatg cacacacaca cagataatgc 360
 tttcagtga tgtgaacttc ttttcctgt ggcactgatt gacagacttg tgctgatcca 420
 ttattacttt 430

<210> 82
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 82
 tttttttttt tttttttttt ttttttttaa gatattaaaa ttcagggtttt attatttgtt 60
 cagttataat aattttaagtt aatatttgcgt gtattctcag agcaaagatg tattttctgta 120
 ccactgtcct gtataaattt gttacccaag atagtgactg gtatgaaagg agagggaaga 180
 gggtgacaga tggaacgat tgctgtagga cagtccatct ggccagatgc ggtgggggag 240
 gggagaagaa gtgggagaga gatggtccta cagatgctcc catgggtaaa tgatgggtgc 300
 atccctccct gcagtcgggc tgtgcctgaa cttcacagtc ctctaagagg tgtcattcag 360
 gccacctcac tcagcctatg cccaacccca ctcaatttcc ctttcttat gggctgcccc 420
 cgcaactgac ttccatgggtg attggttctc attagggcct ttgtttctac accagcctta 480
 gatcattaag acaaaagcgt acttgctacc ctcatagcac ataacaacgc ctggcagatg 540
 aaaatcaaac aaaaag 556

<210> 83
 <211> 543

<212> DNA
<213> Homo sapiens

<400> 83
tgcagtggac atgtcgggcg ggacgggtcac agtccttgaa aagtcctgt atcaaaaggc 60
caactgaagc aatacttcta cgagaccaag tgcaatccca tgggttacac aaaagaaggc 120
tgcaggggca tagacaaaag gcattggaac tcccagtgcc gaactaccca gtcgtacgtg 180
cgggccctta ccatggatag caaaaagaga attggctggc gattcataag gatagacact 240
tcttgtgtat gtacattgac cattaaaagg ggaagatagt ggatttatgt tgtatagatt 300
agattatatt gagacaaaaa ttatctattt gtatatatac ataacagggt aaattattca 360
gttaagaaaa aaataatttt atgaactgca tgtataaatg aagtttatac agtacagtgg 420
ttctacaatc tatttatttg acatgtccat gaccagaagg gaaacagtca tttgcgcaca 480
acttaaaaag tctgcattac attccttgat aatgttgtgg tttgttgccg ttgccaagaa 540
ctg 543

<210> 84
<211> 242
<212> DNA
<213> Homo sapiens

<400> 84
cggcggcaga caaaaagact gcagtggaca tgtcgggcg gacggtcaca gtccttgaaa 60
aggtcctgt atcaaaaggc caactgaagc aatacttcta cgagaccaag tgcaatccca 120
tgggttacac aaaagaaggc tgcaggggca tagacaaaag gcattggaac tcccagtgcc 180
gaactaccca gtcgtacgtg cgggccctta ccatggatag caaaaagaga attggctggc 240
ga 242

<210> 85
<211> 350
<212> DNA
<213> Homo sapiens

<400> 85
tttttttttt tttttttttt tttttttttt tttttttttt tttattatta attatcttct 60
ttattaatac tcacatgtaa cttttgcttt ttacacaaaa gtctgcttta gaagaatgcc 120
tcctcggctt atcatgcca atggggcttt ttgtttctgg accacttccc ctttctccac 180
ccccaccccc acatccaaat tactcttaac atgttcacag ataccacgaa tattttgtaa 240
acaagatttg gggtactgga acttgatttc attaacatcc cacttcaaaa tggaaggcag 300
gtggaggaca gggtaaagaa taggagaaag aggacaagag aaggcaaaga 350

<210> 86
<211> 448
<212> DNA
<213> Homo sapiens

<400> 86
acagtttaag aagtggtgac attttgcatg atgaatgacc tgacttttag ccaccaggta 60
ctctttaaac agttttcctt atcagaggcc ctctgtgct ggtgaccag catctgagtt 120
aggttccagc atgtaaagag ctgggagggc ggagaattct tagcatacat tcagacgttt 180
tttctgcaca ataataagtc catctgtcac ttgcattcca ctttttgta catagaaaga 240
gtctgaccct ttaatccaaa aggtcttttt acattgtgaa tgctgtggga aggcaatttc 300
tctgcacaca agaggctacg ttttggaagt gatgtatgtt atttgatgac tgaaaatgaa 360
ctgtaaattg tcctagagta tattcctctg ctgaacaaaa ttaaacttca aaaaaatcta 420
acagtaacac acccctgctt gggaccct 448

<210> 87
<211> 586
<212> DNA
<213> Homo sapiens

<400> 87

aatttacaga	acagttttaag	aagtgggtgac	atthttgcatg	atgaatgacc	tgactttttag	60
ccaccaggta	ctcttttaaac	agtttttcctt	atcagaggcc	ctcctgtgct	ggtgacccag	120
catctgagtt	aggttccagc	atgtaaagag	ctgggagggc	ggagaattct	tagcatacat	180
tcagacgttt	tttctgcaca	ataataagtc	catctgtcac	ttgcattcca	ctttttgtta	240
catagaaaga	gtctgaccct	ttaatccaaa	aggtcttttt	acattgtgaa	tgctgtggga	300
aggcaatttc	tctgcacaca	agaggctacg	ttttggaagt	gatgtatggt	atttgatgac	360
tgaaaatgaa	ctgtaaatgc	tcctagagta	tattcctctg	ctgaacaaaa	ttaaacttca	420
aaaaaatcta	acagtaacac	acccctgctt	gggaccctag	ctatatgcat	tttatgtgac	480
cttgccatgc	ttcagtgaac	atactaattc	tatgtctagc	acatgttgat	ttcctatgta	540
ttctgggtat	tctattaaag	gaaactttga	actatgtcaa	aaaaaa		586

<210> 88

<211> 203

<212> DNA

<213> Homo sapiens

<400> 88

aatgaattta	cagaacagtt	taagaagtgg	tgacattttg	catgatgaat	gacctgactt	60
ttagccacca	ggtactcttt	aaacagtttt	ccttatcaga	ggccctcctg	tgctgggtgac	120
ccagcatctg	agtttaggttc	cagcatgtaa	agagctggga	gggcggagaa	ttcttagcat	180
acattcagac	gttttttctg	cac				203

<210> 89

<211> 548

<212> DNA

<213> Homo sapiens

<400> 89

tgctggaagg	cattcgcac	tgccggcgag	ggcttccgca	accggatcgt	cttcaggag	60
ttccgccaac	gctacgagat	cctggcgggc	aatgccatcc	ccaaaggctt	catggacggg	120
aagcaggcct	gcattctcat	gatcaaagcc	ctggaacttg	accccaactt	atacaggata	180
gggcagagca	aaatcttctt	ccgaactggc	gtcctggccc	acctagagga	ggagcgagat	240
ttgaagatca	ccgatgtcat	catggccttc	caggcgatgt	gtcgtggcta	cttgccaga	300
aaggcttttg	ccaagaggca	gcagcagctg	accgccatga	aggtgattca	gaggaaactgc	360
gctgectacc	tcaagctgcg	gaactggcag	tggtggaggc	ttttcaccaa	agtgaagcca	420
ctgctgcagg	tgacacggca	ggaggaggag	atgcaagcca	aggaggatga	actgcagaag	480
accaaggagc	ggcagcagaa	ggcagagaat	gagcttaagg	agctggaaca	gaagcactcg	540
cagctgac						548

<210> 90

<211> 595

<212> DNA

<213> Homo sapiens

<400> 90

tgcaatgggg	tgctggaagg	cattcgcac	tgccggcgag	gcttcccca	ccggatcgtc	60
ttccaggagt	tccgccaacg	ctacgagatc	ctggcgggca	atgccatccc	caaaggcttc	120
atggacggga	agcaggcctg	cattctcatg	atcaaagccc	tggaacttga	ccccaactta	180
tacaggatag	ggcagagcaa	aatcttcttc	cgaactggcg	tcctggccca	cctagaggag	240
gagcgagatt	tgaagatcac	cgatgtcatc	atggccttcc	aggcgatgtg	tcgtggctac	300
ttggccagaa	aggcttttgc	caagaggcag	cagcagctga	ccgccatgaa	ggtgattcag	360
aggaactgcg	ctgcctacct	caagctgcg	aactggcagt	ggtggaggct	tttcaccaa	420
gtgaagccac	tgctgcaggt	gacacggcag	gaggaggaga	tgacggccaa	ggaggatgaa	480
ctgcagaaga	ccaaggagcg	gcagcagaag	gcagagaatg	agcttaagga	gctggaacag	540
aagcactcgc	agctgaccga	ggagaagaac	ctgctacagg	aacagctgca	ggcag	595

<210> 91

<211> 498

<212> DNA

<213> Homo sapiens


```

<400> 91
tgacagagca agacttgggt tcaaaaaaga gaaacacagt tggccctcca tatctgagtt 60
tcacagacga aaaatattca gaagaaaaaa aaatcaatgg ctgtatttgt actaaacatg 120
cccaggcttt ttttcttatt gttatccctt aaacaatata acaactatgt ttatagcatt 180
tacattgtat tagatgttat aactactcta aagaggattt aaagtatatg gaatgatgtg 240
cataggttat atgcaaatac tatactatgt atatcaggga cttgagcatc cttggatttt 300
ggtatgtgtg ggaggtcctg aaaccaatgt cctgtggata ctgaaggata actgtactaa 360
tttgagagatt tctctctact atgatcaaga ttttcaaaca ttacattgct gattacatta 420
catcgttaca ttgtgattct ttccaagact tgagataaag tttgggaaga agtaccactt 480
gtttcagttt atgaaata
498

```

```

<210> 92
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<400> 92
aaacacagtt ggccctccat atctgagttt cacagacgaa aaatattcag aagaaaaaaa 60
aatcaatggc tgtatttgta ctaaacaatgc ccaggctttt tttcttattg ttatccccta 120
aacaatacaa caactatgtt tatagcattt acattgtatt agatgttata actactctaa 180
agaggattta aagtatatgg aatgatgtgc atagggttata tgcaaatact atactattta 240
tatcaggggac ttgagcatcc ttggattttg gtatgtgtgg gaggtcctga aaccaatgtc 300
ctgtggatac tgaaggataa ctgtactaat ttggagattt ctctctacta tgatcaagat 360
tttcaaacat tacattgctg attacattac atcgttacat tgtgattctt tccaagactt 420
gagataaagt ttgggaagaa gttaccactt gtttcagttt atgaaataga aaaaaaaaaa 480
aggggtaaag catgaaataa aaacctaacc
510

```

```

<210> 93
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<400> 93
tggatcccc gggtgcagg aattcggcac gagcagaagt gcctgagacg cggagacatg 60
gctggtgtta aatggagcta ttcaatagca gtgacgcgct ctctcagcc accaaatgtc 120
cctgacaccc tccccagccc ccacagataa catcagctga ggtttttttc agtatgaacc 180
tgtcctaaat caattcctca aagtgtgcac aaaactaaag aatataaata aacaaaagaa 240
aggtgaaaaa aaaaaaaaaa aaaaaaactc gggggggggc ccgggcccga attccccct 299

```

```

<210> 94
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 163, 189, 219, 222, 225, 226, 228, 233
<223> n = A,T,C or G

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```

<400> 94
cagaagtgcc tgagacgcgg agacatggct ggtgttaaatt ggagctattc aatagcagtg 60
acgcgctctc ctccagccacc aaatgtccct gacaccctcc ccagccccca cagataacat 120
cagctgaggt ttttttcagt atgaacctgt cctaaatcaa ttinctaaag tgtgcacaaa 180
actaaagant ataaataaac aaaagaaagg tgaaaaana anaannanaa aana 234

```

```

<210> 95
<211> 534
<212> DNA
<213> Homo sapiens

```

```

<400> 95

```

tgaagcagaa	gtacctggac	tatgccagag	tccccaatag	caatccccct	gaatatgagt	60
tcttctgggg	cctgcgctct	tactatgaga	ccagcaagat	gaaagtcctc	aagtttgctt	120
gcaaggtaga	aaagaaggat	cccaaggaa	gggcagctca	gtaccgagag	gcgatggaag	180
cagatttgag	ggctgcagct	gaggctgcag	ctgaagccaa	ggctagggcc	gagattagag	240
ctcgaatggg	cattgggctc	ggctcggaga	atgctgccgg	gccctgcaac	tgggacgaag	300
ctgatatcgg	accctggggc	aaagcccga	tccaggcggg	agcagaagct	aaagccaaag	360
cccaagagag	tggcagtgcc	agcactgggt	ccagtaccag	taccaataac	agtgccagtg	420
ccagtgccag	caccagtggg	ggcttcagtg	ctggtgccag	cctgaccgcc	actctcacat	480
ttgggctctt	cgctggcctt	ggtggagctg	gtgccagcac	cagtggcagc	tctg	534

<210> 96
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 96	
tttttttttt	tttttttttt
tcaattgatt	gatatgtggc
ctggcttgaa	gagaaagact
accacaggca	ccagagctgc
cccaaattgt	agagtggcgg
actggcactg	gcactgttat
tttctgaaat	ggcaaataga
gcctagagtg	ctgtgtttag
ggcaggatta	acaatatcta
cactgggtgt	ggcaccagct
tcaggctggc	accagcactg
tggtactggg	actggcacca
tttaatgcag	agtgtcaact
taggtttctg	aggatgcacc
aaatctcact	tgtaggagaa
ccaccaaggc	cagcgaagag
aagccaccac	tggtgctggc
gtgctggcac	t

<210> 97
 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 97	
tttatgaatg	ataaagatgt
gctgaacttc	tgcaaaagat
aaagtagaag	atgtgagtg
aaggaaagaa	ttgccaaatt
gcagtagcca	gaggatgtgc
gaattttccg	tcacagatgc
gaagatactg	aaggtgttca
gttctcacct	ttctgagaag
ggagttccat	atccagaagc
aaagatggag	aaaaatctag
accatctcta	
ttccggaaa	atgaacaggt
agaagtaccc	ctttattcac
agttgagatt	ggtggaggca
ctttggaaaa	gatattagca
attacagtgt	gcaatacttt
agttcctttt	ccaatatctc
tgaagtcttt	agtcgaaacc
ggggcctttt	gagctagaag
aaaaataggc	cgctttgtag
agtaaaagtc	aaagtgcgag
cacaatttga	agaactctgt
tggttgaaca	aactcatctc
ctacacgaat	tccagctgtg
caacactcaa	tgcagatgaa
ccccggcatt	taaagttaga
tgatctggaa	ccatgattca
atgctgctcc	tttctccaaa
ctttctattc	tgatcccaaa
ttcagaatgt	ttctgcacag
tcaacacca	tggcattttc

<210> 98
 <211> 551
 <212> DNA
 <213> Homo sapiens

<400> 98	
tttttttttt	tttttttttt
agaaggtctt	tccctaactg
acctttatct	tgggcttttt
tcagcatctg	ggattttgtt
gtttgttgag	catcagtttg
acatttttat	cagtgtcttg
tcagaagaca	tttcattctc
gtgaaaatgc	catgggtgtt
ttctgtgcag	aaacattctg
ccttggggat	c
tagcattatc	atcttaccct
ccagaccaag	ttggcttcaa
agcttctgga	ggctgggtcaa
ttcttctgag	gtaagttcag
tacctggggc	tgtgttccag
gttttctggt	ggtctctgat
ctcagttggg	actttctcca
gactcgcact	ttgactttta
aactacaaag	cggcctattt
ctgtctcaat	atacatgtta
taggcagctc	aacattcacc
cttttttttc	atttgctttg
gtgaaggggg	agactgtgag
cttcactgtt	gtcttgctgg
tcagacactc	catgtcagct
ccatagatgc	cgtagagatg
ctctagattt	ttctccatct
ttgcttctgg	atatggaact

<210> 99
 <211> 550
 <212> DNA

<213> Homo sapiens

<400> 99

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tgtggggctc tatttttgct ttggctttct ggtgagagag tgaggaagca ttctttcctt 60
cactaagttt gtctttcttg tcttctggat agattgattt taagagacta aggggaattta 120
caaactaaag attttagtca tctgggtggaa aaggagactt taagattggt tagggctggg 180
cggggtgact cacatctgta atcccagcac tttgggaggc caaggcaggc agaacacttg 240
aaggagttcg agaccagcgt ggccaacgtg gtgaaaccct gtctctacta aaaatacaaa 300
aattgttttag ctctgttttt cataatagaa atagaaaagg taaaattgct tttcttctga 360
aaagaacaag tattgttcat ccaagaaggg tttttgtgac tgaatcagca gtgcctgccc 420
tagtcatagc tgtgcttcaa aaacctcagc atgattagtg ttggagcaaa acaaggaagc 480
aaagcaaata ctgtttttga aattctatct gttgcttgaa ctattttgta ataattaaac 540
tttgatgttg                                     550
```

<210> 100

<211> 300

<212> DNA

<213> Homo sapiens

<400> 100

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ctaagcttta agatttaaaa aatgttcaat gttgaaattt ctgtggggct ctatttttgc 60
tttggtcttc tggtagagaa gtgaggaagc attctttcct tcactaagtt tgtctttcct 120
gtcttctgga tagattgatt ttaagagact aagggaattt acaaactaaa gatttttagtc 180
atctggtgga aaaggagact ttaagattgt ttagggtctg gcggggtgac tcacatctgt 240
aatcccagca ctttgggagg ccaaggcagg cagaacactt gaaggagttc aagaccagcg 300
```

<210> 101

<211> 583

<212> DNA

<213> Homo sapiens

<400> 101

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gtttgagtca tgagcatgct gttgtctaga gtgggcgggg atgacgtggt tggagtgggt 60
gcgctgctct gtacttgatt tttttgagtc tgaaattagc tttccaggct ggggcaggga 120
ggggagcaca ggtggatcag tactgcccc aagcgggtgga gctttggtgg tggatcaaatt 180
actgctgccg cctgtctgca caaacatatt tctctcttcc agcccttcag aagtgtattg 240
gaatatgtcg ataacaataa tgatggtggt gaagatgatg atgatgtggg taattctggc 300
taccttattg ggtccaagct cccacaaatt cgttgcacaa agcactctac atacattctc 360
tttagtcctg atcaaaccac ctttcagagt aggatttagt gtcctatttt aaagatgaag 420
gagctcgggc tcagagagag atcgtttaga cacacacaca actttggaat gaaacattta 480
cagccgggcg cgggtggcgc tgccctgtagt ccagctact tgggaggctg aggctggagg 540
atcgcttgag tccaggagtt ctgggctgta gtgcgctatg ccg 583
```

<210> 102

<211> 517

<212> DNA

<213> Homo sapiens

<400> 102

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cccgaaggc gacgggaagg agccgagctt gggatcatggc ggccgcccc gcgctgctgg 60
tgatgggcgt gaggcgctcg gggaaatcca ccgtgggcgc cctgctggca tctgagctgg 120
gatggaaatt ctatgatgct gatgattatc acccgaggga aaatcgaagg aagatgggaa 180
aaggcatacc gctcaatgac caggaccgga ttccatggct ctgtaacttg catgacattt 240
tactaagaga tgtagcctcg ggacagcgtg tggttctagc ctgttcagcc ctgaagaaaa 300
cgtacagaga catattaaca caaggaaaag atggtgtagc tctgaagtgt gaggagtcgg 360
gaaaggaagc aaagcaggct gagatgcagc tccgtggtgt ccatctgagc gggctcgttt 420
aggctcatctc tggacgctta ctcaaaagag agggacattt tatgccccct gaattattgc 480
agtcccagtt tgagactctg gagccccag cagctcc 517
```

<210> 103

<211> 590
 <212> DNA
 <213> Homo sapiens

<400> 103
 tttttttttt tttttttttt ttttttacta gogaagtttc atttatttgt gcaaatacag 60
 gcatgagcaa gaatgttcta aacaatgtaa cgattttccag cattgattac agaatttcct 120
 ctgatcattt gatttggtta tagatgaatt taaacttcaa ttttaagcttg actttttaaa 180
 ctccccctct gcttcctgat gaaccagcat aattcctaaa attacaccta aacaagtctg 240
 tcttgacaca ttgggggtttg ccttttagaaa catttagaat ctattatggg caaggcggct 300
 ggaacgaggt ttgggatggc acaatgattt atgcttagtt ctgtttggac cactgatata 360
 aaatcattgt catttcattt ttaggggtttc cataattgta gcaattatct ctgaaacatt 420
 tttgtccaca cttatttgga taaagttttc tggagctgct gggggctcca gagtctcaaa 480
 ctgggactgc aataattcag ggggcataaa atgtccctct cttttgagta agcgtccaga 540
 gatgacctca aacgaccgcg tcagatggac caccaggagc tgcattctcag 590

<210> 104
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 104
 gacacttaca aattgctgct tgtccaaatc aggatccact gcaaggaaca acaggcctta 60
 ttccactgct ggggattggg gtgtgggagc acgcttacta ccttcagtat aaaaat 116

<210> 105
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 105
 ttcttttttt tttttttttt ttgtcacaaa gcattttacta ttttcaatca cttgccaat 60
 aacaaaatgt ttagtaagaa attattcaga acattaagtt gtttatgaaa taagtgacta 120
 agcaacatca agaaatgcta caatagagca gcttactgta ttctgcagta ctctatacca 180
 ctacaaaaac agtcataaag agcttaacat actcagcata acgatcgttg tctacttttt 240
 gcaagccatg tatctttcag ttacattctc ccagttgatt acattccaaa tagcttttag 300
 ataatcaggc ctgacatttt tatactgaag gtagtaagcg tgctcccaca caccaatccc 360
 cagcagtggg ataaggcctg ttgttccttg cagtggatcc tgatttggac aagcagcaat 420
 ttgtaagtgt ccccgttcct tattgaaacc aagccaaccc caacctgagc cttggacacc 480
 aacagatgca gccgtcagct tctccttaaa cttgtcaaag gaaccaaagt cacgtttgat 540
 ggcttccagc aactcccctt tgggttctcc acca 574

<210> 106
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 106
 tttttttttt tttttttttt ttgggggggt gacagattct tttattaaca gtcaaaaact 60
 tcacacaatt ggaaaataaa tgtttcttca atgaataatc aaacaaaaat tatccaggac 120
 cttatagggt tttcagtatg taccaggctt gatgcacatc ttagaagaca ggacattatc 180
 ttgctgggat cattagggtg tgatcagcat aacgatcgtg gtttactttt tgcaagccat 240
 gtatctttca gttacattct cccagttgat tacattccaa atagctttta gataatcagg 300
 cctgacattt ttatactgaa ggtagtaagc gtgctcccac acatcaatcc ccagcagtgg 360
 aataaggcct gttgttcctt gcagtggatc ctgatttggg caagcagcaa tttgtaagtg 420
 tccccgttcc ttattgaaac caagccaacc ccaacctgag cttggacac caac 474

<210> 107
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 107
 ggggaacccgg ggcgcggcgc actgcmcagg cggccggact ccgctcagtt tccggtgcgg 60
 cgaacaccaa agtccgggaa cttaagcatt ttcggtttct agggttgtta cgaagctgca 120
 ggagcgagat ggaggtggac gcaccgggtg ttgatggctg agatggctct cgggagcggc 180
 gaggcttttag cgagggaggg aggcagaact tcgatgtgag gcctcagttc ggggcaaatg 240
 ggcttcccaa acactcctac tggttggacc tctggctttt catccttttc gatgtgggtg 300
 tgtttctctt tgtgtatttt ttgccatgac ttgttcgctg atatctaaat taagaagttg 360
 gttcttgagt gaattctgaa aatggctaca aacttcttga ataaagaaga caggactctc 420
 aatagaagaa tttcacatct ccaagggacc cttcctttca ttttacctt tgttactaat 480
 ttgcagaact ctattaattg ggtaggattt caccattcc tagcta 526

<210> 108
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 108
 gaacccgggg cgcggcgcac tgcgcattgc gccggactcc gctcagtttc cgggtgcggcg 60
 aacaccaaag tccgggaact taagcatttt cggtttctag ggttggtacg aagctgcagg 120
 agcgagatgg aggtggacgc accgggtggt gatggctcag atggctctcc ggagcggcga 180
 ggcttttagc agggagggag gcagaacttc gatgtgaggc ctcatctctg ggcaaatggg 240
 cttcccaaac actcctactg gttggacctc tggcttttca tccttttcga tgggggggag 300
 cttctctctg tgtattttct gccatgacct gttcagtgc accc 344

<210> 109
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 109
 gaacccgggg cgcggcgcac tgcgcaggcg gccggactcc gctcagtttc cgggtgcggcg 60
 aacaccaaag tccgggaact taagcatttt cggtttctag ggttggtacg aagctgcagg 120
 agcgagatgg aggtggacgc accgggtggt gatggctcag atggctctcc ggagcggcga 180
 ggcttttagc agggagggag gcagaacttc gatgtgaggc ctcatctctg ggcaaatggg 240
 cttcccaaac actcctactg gttggacctc tggcttttca tccttttcga tgtggaggag 300
 attctctttg tgtatttttt gccatgacct gt 332

<210> 110
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 110
 cggctgcgag aagacgacag aaggggagtt tccggtgcgg cgaacaccaa agtccgggaa 60
 cttaagcatt ttcggtttct agggttgtta cgaagctgca ggagcgagat ggaggtggac 120
 gcaccgggtg ttgatggctg agatggctct cgggagcggc gaggcttttag cgagggaggg 180
 aggcagaact tcgatgtgag gcctcagttc ggggcaaatg ggcttcccaa acactcctac 240
 tggttggacc tctggctttt catccttttc gatgtgggtg tgtttctctt tgtgtatttt 300
 ttgccatgac ttgttcgctg atatctaaat taagaagttg gttcttgagt gaattctgaa 360
 aatggctaca aacttcttga ataaagaaga caggactctc aatagaagaa tttcacatct 420
 ccaagggacc cttcctttca ttttacctt tgttactaat ttgcagaact ctattaattg 480
 ggtaggattt caccattcc tagctaagtt cttaaaatta aacccttttg ttcgtgttta 540
 aaac 545

<210> 111
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 111

gagtttccgg	tgcggcgaac	accaaagtc	gggaacttaa	gcattttcgg	tttctagggt	60
tgttacgaag	ctgcaggagc	gagatggagg	tggacgcacc	gggtgttgat	ggtcgagatg	120
gtctccggga	gcggcgaggc	tttagcgagg	gagggaggca	gaacttcgat	gtgaggcctc	180
agtctggggc	aaatgggctt	cccaaacact	cctactggtt	ggacctctgg	cttttcatcc	240
ttttcgatga	ggaggtgttt	ctctttgtgt	attttttgcc	atgacttggt	cgctgatatc	300
taaatttaca	agttgatct	tgagtga				329

<210> 112
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 112	
gcgcggcgcc	tgcctcggc
gaatccgact	gtttaattaa
tgtgatttct	gcccagtgt
gggcggtttt	tctctgattc
ccctcatggg	gcggggaaaa
	aaggcctttt
	ttgggaaatt
	tggtg
	60
	120
	180
	240
	284

<210> 113
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 113	
gttgcaggtc	actgtagcgg
ctcactcccc	agcatgaagg
cctgtcggaa	cgcagtctgg
gccgctgagc	ttgctggacg
cggagtcccg	agaggcactc
cattctcgac	ctgcaggtag
ccttcccatc	cagacagccg
cttttgccac	tgactccggc
tctgcctggg	accccgga
	cctctcctgc
	cggaagccgg
	ac
	60
	120
	180
	240
	300
	360
	420
	480
	522

<210> 114
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 114	
gttgcaggtc	actgtagcgg
ctcactcccc	agcatgaagg
cctgtcggaa	cgcagtctgg
gccgctgagc	ttgctggacg
cggagtcccg	agaggcactc
cattctcgac	ctgcaggtag
ccttcccatc	cagacagccg
cttttgccac	tgactccggc
ctgcctggga	ccccgggaac
	ctctcctgcc
	60
	120
	180
	240
	300
	360
	420
	480
	510

<210> 115
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 115	
aatagtctgt	gtccaagaaa
ggagcagcat	gctattaaga
gcttcgttca	agaagtttca
taacttttagc	tttacataga
	gctgagataa
	aaataaagct
	ttcttataaa
	ttacattttt
	60
	120
	180
	240

ttccagtga	ttacttttgc	agtaaaaata	gctgctacat	aatccctcc	tgatctctga	300
aaaggagttg	catattttcca	aaaataatat	tctttatttta	atcacacaga	agaacgtgga	360
gcacaggaag	gaaatggctg	gctgg				385

<210> 116
 <211> 645
 <212> DNA
 <213> Homo sapiens

<400> 116

tacggccggg	tcttttaaag	aggccgggaa	tacacatgac	tcaggtgctc	ttttgaaacg	60
actacaaaag	tctccatttt	gatcaaaacg	ttttctccga	atgaatggct	ccgatgcttt	120
ctctttccca	tcttaagtcc	ccgctctgtg	cctcagaata	gtctgtgtcc	aagaaaataa	180
gaatcacgtc	atctagctgt	ggacactgag	caaaaaggag	cagcatgcta	ttaagatggg	240
tgagacacac	gagtgaacaa	agatgggaca	aactgtgctt	cgttcaagag	gtttcatcaa	300
gacccctacc	gcccccgctc	cttcagctct	gtacagtaac	tttagcttta	catagagctg	360
agataaaaat	aaagctttct	tacaaattac	atttttttcc	agtgaattac	ttttgcagta	420
aaaatagctg	ctacataaat	ccctcctgat	ctctgaaaag	gagttgcata	tttccaaaaa	480
taatattctt	attttaaatca	cacagaagaa	cgtggagcac	aggaaggaaa	tggctggctg	540
gtcagggaga	ggtgagctgt	cggagaaaca	cagtaaaact	aaaaaataaa	atccattttg	600
tgtataaact	gacttaaacg	catgcaaaga	agtggaaaac	atatg		645

<210> 117
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 117

atgtcgaggg	aatgcagaaa	gagttaagga	aggcaggttg	tccttctatt	caggccactc	60
ttcgttttcc	atgtactgca	tgctgtttgt	ggcactttat	cttcaagcca	ggatgaaggg	120
agactgggca	agactcttac	gccccacact	gcaatttggt	cttggtgccg	tatccattta	180
tgtgggcctt	tctcgagttt	ctgattataa	acaccactgg	agcgatgtgt	tgactggact	240
cattcagggg	gctctggttg	caatattagt	tgctgtatat	gtatcggatt	tcttcaaaga	300
agaactttct	tttaaagaaa	gaaaagagga	ggactctcat	acaactctgc	atgaaacacc	360
aacaactggg	aatcactatc	cgagcaatca	ccagccttga	aaggcagcag	ggtgcccagg	420
tgaggctggc	ctgttttcta	aaggaagatg	attgccacaa	ggcaagaaga	tgcatctttc	480
ttcctggtgt	acaagccttt					500

<210> 118
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 118

taaggaaggc	aggttgtcct	tctattcagg	ccactcttcg	ttttccatgt	actgcatgct	60
gtttgtggca	ctttatcttc	aagccaggat	gaaggagac	tgggcaagac	tcttacgccc	120
cacactgcaa	tttggctctg	ttgccgtatc	catttatgtg	ggcctttctc	gagtttctga	180
ttataaacac	cactggagcg	atgtgttgac	tggactcatt	cagggagctc	tggttgcaat	240
attagttgct	gtatatgtat	cggatttctt	caaagaaaga	acttctttta	aagaaagaaa	300
agaggaggac	tctcatacaa	ctctgcatga	aacaccaaca	actgggaatc	actatccgag	360
caatcaccag	ccttgaaagg	cagcagggtg	cccagggtgag	gctggcctgt	tttctaaagg	420
aagatgattg	ccacaaggca	agaggatgca	tctttcttcc	tggtgtacaa	gccttttaaag	480
acttctgctg	ctgctatgcc	tcttgatgc	acactttgtg	tgtacatagt	tacctttaac	540
tcagtggtta	tctaatagct	ctaaactcat	taaaaaaact	ccaagccttc	ca	592

<210> 119
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 119

```

ggccgcccctt tttttttttt tttttttttt ttttttttgg ggaaaagggg gtcttttttg 60
ggcccccccc cccctttttaa aaaaccccc taaaaaatgc ccccaaaaaa aaaaattttt 120
ttttttggggg ggggggaaaa aaagggggaa aaaaccccc cccccgggg ggggaaaaaa 180
acccccccaa aaccccc                                     197

```

```

<210> 120
<211> 493
<212> DNA
<213> Homo sapiens

```

```

<400> 120
tttttttttt ttaatggtaa aaactttatt tactatttat aaatacattg caagacaaac 60
ttctcaaaaa tacttttccc cccaaaaagt taaaaaata aagaaaagct aataggtagg 120
cagaatgtct tgagaccct ctgttttcaa ggagagctct atgcagcgtg tgtccacacc 180
gaggtctgca gcagggcaga gtctccctga gcctgacttt gccagacctt cttgggtttg 240
gcctccggga gagcagccca gtctctgggt cgacgtcctt tcctcagtca tggccacagt 300
tgtatcatat agcatctcta acatttcata taggattatc tagtatagat cttactatat 360
ttggggctat gttgtataca atgttaacaa gaacatatct tctctgcata tatgtgtgaa 420
ttataaagaa aagcatgaga atgactctaa gttcaacaaa catgggtgaa tctctatgtg 480
ctcccagtgt cct                                     493

```

```

<210> 121
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 121
tggtacgcct gcagtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcttctctgtt 60
ttctgttgct aaatgatgat aatgtgccat gatgttttat atatatcatt cagaaaaagt 120
tttatttttt aataacattc tattaacatt attttgcttg ccgctggcat gcctgaggaa 180
tgtatttggc ttgtattaca cactaagttt ttgtaataaa tttgactcat taaaaacctt 240
tttttttaaa aaaaaaaaaa aaaaa                                     265

```

```

<210> 122
<211> 186
<212> DNA
<213> Homo sapiens

```

```

<400> 122
tttctgtttt ctgttgtaaa atgatgataa tgtgccatga tgttttatat atatcattca 60
gaaaaagttt ttttttttaa taacattcta ttaacattat ttgtcttgcc gctggcatgc 120
ctgaggaatg tatttggtt tgattacaca ctaagttttt gtaataaatt tgactcatta 180
aaaacc                                     186

```

```

<210> 123
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<400> 123
cagcccgctc gcggcctctc cagccccggg ttccgcgtct cgactcccc gaccagtc 60
gcgggtgccc ggccgggtgat gccaaataca gccatgaaga aaaaggtgct gctgatggg 120
aagagcgggt cggggaagac cagcatgagg tcgataatct tcgccatta cattgctcgc 180
gacaccgggc gcctgggggc caccattgac gtggaacact cccacgtccg attcctaggg 240
aacctggtgc tgaacctgtg ggactgtggc ggtcaggaca ctttcattga aaattacttc 300
accagccagc gagacaatat cttccgtaac gtggaagttt tgatttacgt gtttgacgtg 360
gagagccgcg aactggaaaa ggacatgcat tattaccagt cgtgtctgga ggccatcctc 420
cagaactctc ctgacgcaa aatcttctgc ctggtgcaca aaatggatct ggttc 475

```

```

<210> 124
<211> 122

```


<212> DNA
<213> Homo sapiens

<400> 124
agaaggggtg ctggagccta ggacgtcgag gctgcagtga gatgatgatca caccactgca 60
ctccagcatg actgagttag accctgtctc aaaaaaaaaa aaaaaaaagt tttttttttt 120
tc 122

<210> 125
<211> 147
<212> DNA
<213> Homo sapiens

<400> 125
ggaggggaag gttggttagt aagctgtaac agattgctcc agttgcctta aactacgcac 60
atagctaagt gaccaaactt cttgttttga ttgaaaaag tgcattgttt tcttgtccct 120
ccctttgatg aaacgttacc ctttgac 147

<210> 126
<211> 607
<212> DNA
<213> Homo sapiens

<400> 126
cagtgaagac ttgcatgttg ttttcactac tgtacacttg acctgcacat gcgagaaaaa 60
ggtggaatgt ttaaaacacc ataatacagct caggggtatgt gccaatctga aataaaaagt 120
ggatgggaga gtgtgtcctt cagatcaagg gtactaaagt ccctttcgct gcagttagtg 180
agaggtatgt tgtgtgtgaa tgtacggatg tgtgtttgcg tgcattgttg tgcattgttg 240
actgtgcatg ttatgtttct ccatgtgggc aaagatttga aatgtaagct tttattttatt 300
attttagaat gtgacataat gagcagccac actcggggga ggggaagggt ggtaggtaag 360
ctgtaacaga ttgctccagt tgcctttaaac tacgcacata gctaagttag caaacttctt 420
gttttgatgt gaaaaaagtg cattgttttc ttgtccctcc ctttgatgaa acgttaccct 480
ttgacgggac ttttgatgtg aacagatgtt ttctaggaca aactataagg actaatttta 540
aacttcaaac attccacttt tgtaatttgt tttaaattgt tttatgtata gtaagcacia 600
ctgtaat 607

<210> 127
<211> 463
<212> DNA
<213> Homo sapiens

<400> 127
attccaatta gccaggaatg gaaggatgag aagcgggatt tgctgactga aggacaaagt 60
tttagcagcc ttgatgaaga agccctggga tcccgcacaca ggccagacct ggtccctagc 120
actccatcac tgtttgaagc tgcttccttg gcaaccacaa tttcatcttc ttccttatac 180
gtcaatgagc actatccaca cgacaggcct acactctatt caaacagcaa agggttacct 240
tccagttcaa catttacctt ggaagagggg accatctact tgaccgctga gcccaacact 300
ctggaagtgc aggatgacaa tgcttctgtg cttgacgtct atttataagt gaaaatggtg 360
atcacctaag cacatggatg agacgtgagc acagttatgg cagagaagtt tctccgcacc 420
agaattatcc acagcaactt ggctgagccc cactacacac aga 463

<210> 128
<211> 592
<212> DNA
<213> Homo sapiens

<400> 128
ccaattagcc aggaatggaa ggatgagaag cgggatttgc tgactgaagg acaaagtttt 60
agcagccttg atgaagaagc cctgggatcc cgacacaggc cagacctggg ccctagcact 120
ccatcactgt ttgaagctgc ttccttgcca accacaattt catcttcttc cttatacgtc 180
aatgagcact atccacacga caggcctaca ctctattcaa acagcaaagg gttaccttcc 240

```

agttcaacat ttaccttggg agaggggacc atctacttga ccgctgagcc caacactctg 300
gaagtgcagg atgacaatgc ttctgtgctt gacgtctatt tataagtga aatgggtgatc 360
acctaagcac atggatgaga cgtgagcaca gttatggcag agaagtttct ccgcaccaga 420
attatccaca gcaacttggc tgagcccccac tacacacaga gaaatcatca acctgactta 480
agagttttca agatgtcaac ttcaggctga tcagcagatg ggatgtgaaa aatactaccc 540
tattctatca tttgctgttg cttgctgaac tgtgaagaac tgcatgaact at 592

```

```

<210> 129
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<400> 129
caattagcca ggaatggaag gatgagaagc gggatttgct gactgaagga caaagtttta 60
gcagccttga tgaagaagcc ctgggatccc gacacaggcc agacctgggc cctagcactc 120
catcactgtt tgaagctgct tccttggcaa ccacaatttc atcttcttcc ttatacgtca 180
atgagcacta tccacacgac aggcctacac tctattcaaa cagcaaaggg ttaccttcca 240
gttcaacatt t 251

```

```

<210> 130
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<400> 130
gtagcagaag cctcattcca gaacccatct ggccagagaa gcagcagcat cctgggggat 60
ggcgtgcat ggggtgtaca ctgctatag gcataggccc ggcattggctg tcgctggacg 120
ccagctgtgc acaccagcc acacctgctg cagcgcgct tagtgtgcgg ctccgggcct 180
gagcattcgc aaagctcgct tctccaggga gcctcctctt ggctttgga 229

```

```

<210> 131
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 131
cgccataacc tggtcagaag tgtgcctgtc ggccggggaga gaggcaatat caaggtttta 60
aatctcggag aaatggcttt cgtttgcttg gctatcggat gcttatatac ctttctgata 120
agcacaacat ttggctgtac ttcattctca gacaccgaga taaaagttaa cctcctcag 180
gattttgaga tagtggatcc cggatactta ggttatctct atttgcaatg gcaaccccca 240
ctgtctctgg atcattttta ggaatgcaca gtggaatatg aactaaaata ccgaaacatt 300
ggtagtgaag catgga 316

```

```

<210> 132
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 37
<223> n = A,T,C or G

```

```

<400> 132
agtcgccata acctggtcag aagtgtgcct gtcggcnggg agagaggcaa tatcaagggt 60
ttaaatctcg gagaaatggc ttctgcttgc ttggctatcg gatgcttata tacctttctg 120
ataagcacia catttggctg tacttcatct tcagacaccg agataaaaagt taacctctct 180
caggattttg agatagtgga tcccggatac ttaggttatc tctatttgca atggcaaccc 240
ccactgtctc tggatcattt taaggaaatgc 270

```

```

<210> 133

```

```

<211> 341
<212> DNA
<213> Homo sapiens

<400> 133
ttacatacgt ttttattact cggggggggac ctgtacgtca ccaatgccca gcttcacggg 60
ggcatgtagt gtgactcacg gctgaacaca aaatcactgt gaagcctgtg ctacagaagg 120
atgtccagtc gctgaggcca ggagagaggt gggcaggcct ggggtctggca gtggagacgg 180
tcctccaggg agccgtttggg caggaagccg tacaccaggc agtagaagcc gttctgagca 240
cagtagccag caaagtccac aatgttttggg tgacgaaacc tggacagctg ctccacctcg 300
gtcaggaagc tctgcttcac tgcagtccac tccagggtcag c 341

<210> 134
<211> 466
<212> DNA
<213> Homo sapiens

<400> 134
attatgtgat taatgatttg acagccgttc caatctccac gtctccagaa gagattccac 60
atgggagttt ctgagactga ttcttgacct ctcaatgaaa gtgttgaaac aggatgggaa 120
atattttaca caggggaact gtgtcaatct gacagaagca ctgtcgctct atgaagaaca 180
gctggggcgc ctgtattgtc ctgtggaatt ttcaaaggag atcgtctgtg tcccttcata 240
cttgggaattg tgggtatttt acactgtttg gaagaaagct aaaccctgaa gatcagtagc 300
ccctaatacac atgtgctgca aatagccttc ctgacctcca tatgctgtac atgacatcaa 360
aatgagtcag gcaattgatt gtgaattcct taaagttttc ctttttttaa taattatttt 420
taattttaaaa aagcaaattg aaaatgtata ttttgatgag cttagg 466

<210> 135
<211> 70
<212> DNA
<213> Homo sapiens

<400> 135
agtttttcctt tttttaataa ttatttttaa tttaaaaaag caaatggaaa atgtatatatt 60
tgatgagctt 70

<210> 136
<211> 442
<212> DNA
<213> Homo sapiens

<400> 136
tttttttttt tttttttcgg ctacagtataa agcttccctt tcttagggac catgcaaaga 60
ttctttgatt ctagaagtgc catttcatta tttctgtgac tctgtctga atcatctgcc 120
aggtaactat cttgattttg tcttagcaat cgacttagca gaccattctt ggagaaagaa 180
aaatcctgag gtgaaacagg ctccgattta aagtcttcgg acactggtaa ggcagggtgcg 240
cttctctgca cagcaggagc catacccaag aatggggcac tcttagcatc atggctcaag 300
tgcacatttg tgtaggaat ttgtaagtca tcacaaggct cagattttat tttcaccatc 360
agtatttggt cacttaaagc tctctctgag tgttcctgag tactttcatc tcttaaggga 420
gttttctctt ttttttcact ct 442

<210> 137
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 244
<223> n = A,T,C or G

```

```

<400> 137
agaaaaatatac aaaaaaatctg cattaaaaaat attaatcctg catgctggac atgtatggta 60
ataattttcta ttttgtacca ttttctgttt aacttttagca tgttgttgat catggatcat 120
actcccctgt ttttgggtg agaagggatc gccagtttg aaactccggc ggctgcgtgc 180
ggggtttcag tcccactgta ggcttgtaaa taccgccccg ccaaaccgca tagagacgtg 240
gcancactga gggctttgtt gggttatata cgtat 275

```

```

<210> 138
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<400> 138
taagctcgga attcgggtcg aggaaaaata caaaaaatct gcattaaaaa tattaatcct 60
gcatgctgga catgtatggt aataattttct attttgtacc attttcttgt ttaacttttag 120
catgttggtg atcatggatc atactcccct tgtttctttg ggtgagaagg gatcgagtt 180
tggaactcc ggcggtcg tgcggggtt cagtcaccagc tgtaggcttg taaatacccg 240
ccccgcaaaa ccgcatagag aacgtggcag caagctgagg gtctttgttt gggtttatta 300
ttacggtatt tttgtttgta agttaaaaaa aaaaaaaaaa gggggggccc cca 353

```

```

<210> 139
<211> 559
<212> DNA
<213> Homo sapiens

```

```

<400> 139
gaatttggcc ctcgaggcca agaattcggc actagggcgc agaaggacca gcagaaagat 60
gccgaggcgg aagggtgag cggcacgacc ctgctgccga agctgattcc ctccggtgca 120
ggccgggagt ggctggagcg gcgcgcgcgc accatccggc cctggagcac ctctgtggac 180
cagcagcgct tctcacggcc ccgcaacctg ggagagctgt gccagcgct cgtacgcaac 240
gtggagtact accagagcaa ctatgtgttc gtgttccttg gcctcatcct gtactgtgtg 300
gtgacgtccc ctatgttgct ggtggctctg gctgtctttt tcgggcgcctg ttacattctc 360
tatctgcgca ccttgaggtc caagcttggtg ctctttggcc gagagggtgag cccagcgcat 420
cagtatgttc tggttgagg catctccttc cccttcttct ggctggctgg tcggggctcg 480
gccgtcttct ggggtgctgg agccaccctg gtggtcatcg gctcccacgc tgccttcac 540
cagattgagg ctgtggacg 559

```

```

<210> 140
<211> 711
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 444
<223> n = A,T,C or G

```

```

<400> 140
tttttttttt tttttttttg acaccataa cagctttatt ttcaaaggcg ggatccctcc 60
ccgggcttgt gatgggacgg cgctgtgggc ccgagcagca aagccgtgca ggacaggcat 120
gggcaggggt ggggcagctg gcccgggagg ccggcaggtc ccaaaagaca cctcacacgg 180
gttccatctg cagctcctcc ccgtccacag cctcaatctg gtggaaggca gcgtgggagc 240
cgatgaccac caggggtggt cccagcacc agaacgaggc cgagcccga ccagccagcc 300
agaagaaggg gaaggagatg cctccagcca gagcatactg atgcgctggg ctacactctc 360
ggccaaagag cacaagcttg gactccaagg tgcgcagata gagaatgtaa caggcgccga 420
aaaagaccag ccagagccac cagncacata ggggacgtca ccacacagta caggatgagg 480
cccaggaaca cgaacacata gttgctctgg tagtactcca cgttgcgtag gaggcgctgg 540
cacagctctc ccaggttgcg gggccgtgag aagcgtgct ggtccacgaa ggtgctccag 600
gggcgggatg gtcgcgcggc gccgtccag ccactcccg cctgcaccg gaggaatcag 660
cttcggcagc aaggctcgtg cggtcagccc ttccgcctcg gcattctttc t 711

```

<210> 141
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 141
 actgcagtc cttcttctct ggctcttttg gaggtcatc caaaatagag gaagcatgcg 60
 aaatctacgc cagagcagca aacatgttca aaatggccaa aaactggagt gctgctggaa 120
 acgcgttctg ccaggctgca cagctgcacc tgcagctcca gagcaagcac gacgcagcca 180
 cctgctttgt ggacgctggc aacgcattca agaaagccga cccccaagag gccattaact 240
 gtttgatgcg agcaatcgag atctacacag acatgggccc attcacgatt gcggccaagc 300
 accacatctc cattgctgag atctatgaga cagagttggg ggacatcgag aaggccattg 360
 cccactacga gcagctctgca gactactaca aaggcgagga gtccaacagc tcagccaaca 420
 agtgtctgct gaaggtggct ggttacgctg cgctgctgga gcagtatc 468

<210> 142
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 142
 cgcaaagtga agaactcgca gtccttcttc tctggcctct ttggaggctc atccaaaata 60
 gaggaagcat gcgaaatcta cgccagagca gcaaactgt tcaaatggc caaaaactgg 120
 agtgctgctg gaaacgcgtt ctgccaggct gcacagctgc acctgcagct ccagagcaag 180
 cagcagcag ccacctgctt tgt 203

<210> 143
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 143
 tctgcgggga acagaacatg atcggcatga cgcccacggg catcgctgag cattacctgg 60
 ctgaaacgga gcagcgggag aagttcgggc taaagaagcg ggagggggcc tgggagctca 120
 tgaagaaggg gtacaccag caactggcct tcatacaacc cagctctgcc tttgcggcct 180
 tcgtgaaacg ggcacccagc acctggctga cc 212

<210> 144
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 109, 128, 153, 161, 167, 174, 175, 178, 196, 202, 206, 211,
 213
 <223> n = A,T,C or G

<400> 144
 gaagcacctc attgtgaccc cctcgggctg cggggaacag aacatgatcg gcatgacgcc 60
 caggtcatc gctgtgcatt acctggatga aacggagcag tgggagaant tcggcctaga 120
 gaagcggmag ggggccttgg agctcatcaa ganggggtac ncccagnagc tggnttnag 180
 acaaccacgc tctgcntttg cnggcnttcg nanaaagggc cccac 226

<210> 145
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 145
 ctgggctgcg gctgatgcgc atccgttttc ctgccctggg catgtgtctc tgaaaccgta 60

tggcgggcgg tgggcaacgg gcactgctaa gggaggg

97

<210> 146

<211> 120

<212> DNA

<213> Homo sapiens

<400> 146

ggcacgagct catctgtttg cggatcagaa cccgagctgt gcttgtggct gcggctgcta 60
actggctgcg cacagggagc tgtcaccatg cctcactcgt acccagccct ttctgctgag 120

<210> 147

<211> 273

<212> DNA

<213> Homo sapiens

<400> 147

ggcgcgccctt tttttttttt ttttttttcc cccctttttt ttggtggggg ggtttttcca 60
aggggttgaa tgggggtttt ttttcccccc ttttacccca gaaaaagggg gaggaaaaaa 120
ggaacccccg gggaaaattt tccttttttt ggaaaatttg ggggaccgga aaaagggggg 180
gggaaccccc cccctttttt ttttctttta aaaaattttt ttgccccaa aaaaaggggg 240
gcccccttc ccccccttc tgggccccgg ggg 273

<210> 148

<211> 90

<212> DNA

<213> Homo sapiens

<400> 148

cacttcatgc aaggcacatg tgctgtcctg caggtctgca gggaaccgac ccagagagcc 60
cagcggcagg ccctggaaca cccgcctctg 90

<210> 149

<211> 463

<212> DNA

<213> Homo sapiens

<400> 149

gacttgtccg ggaatccggt gcttcggatc tactacacct cgaggcctgc tctgttcacc 60
ttgtgtgctg ggaatgagct cttctactgc ctctctacc tgttccattt ctctgaggga 120
cctttagttg gctctgtggg actgttccgg atgggcctct gggtcactgc ccccatcgcc 180
ttgtgaagt cgtcatcag cgtcatccac ctgatcagg ccgcccgcaa catggtgcc 240
ctggacgcag cagaccgcgc caagaagaag tgacgtgga gccccgggtc ctggctgcc 300
acctgccctg ggagtcttgc tgtgccacac agctccccac cccctgctag gaggtcccag 360
tctcacgcct tcctcatgtg ttgttctacc tgctgggatg ggggtcagcc tctctttggt 420
gacgtcacgt tctctgggat cctgaggacc cgggcctcaa atc 463

<210> 150

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 285, 455, 597, 606, 636, 667, 686

<223> n = A,T,C or G

<400> 150

ggcacgagga gagagagagt cacaagatga tcgacttggt cggaatccg gtgcttcgga 60
tctactacac ctcgaggcct gctctgttca ccttgtgtgc tgggaatgag ctcttctact 120

```

gcctcctcta cctgttccat ttctctgagg gacctttagt tggctctgtg ggactgttcc 180
ggatgggacct ctgggtcact gcccccatcg ccttgctgaa gtcgctcatc agcgtcatcc 240
acctgatcac ggccgcccgc aacatggctg ccttgacgc agcanaccgc gccaagaaga 300
agtgacgctg gagccccggg tcttggtgc cactggcct gggagtcttg ctgtgccaca 360
cagctcccca cccctgcta ggaggtecca gtctcacgcc ttctcatgt gttgttctac 420
ctgctgggat gggggtcagc ctctctttgg tgacntcacg ttcttctggg atcctgagga 480
ccgggcctca aatcagggag gatacccggg agggccctt catccaagcg gtgcttctgg 540
ggtgccggga ccgggcagtg tcacaccctg cctgctagtc ctgggggtcca gatctangga 600
ccttantgaa ggagtgggtg gaggcagttc tgaagnggat aactcgccca caacaagttg 660
ggacatncag aggaaactca actctnacgt ctt 693

```

```

<210> 151
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 151
gagagagaga gtcacaagat gatcgacttg tccgggaatc cgggtgcttcg gatctactac 60
acctcgaggc ctgctctgtt cactttgtgt gctgggaatg agctcttcta ctgcctctc 120
tacctgttcc atttctctga gggaccttta gttggctctg tgggactgtt ccggatgggc 180
ctctgggtca ctgcccccat cgccttgctg aagtcgctca tcagcgtcat ccacctgatc 240
acggccgccc gcaacatggc tgccctggac gcagcagacc gcgccaagaa gaagtgacgc 300

```

```

<210> 152
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 37, 41
<223> n = A,T,C or G

```

```

<400> 152
gacttgctcg ggaatccggt gcttcggatc tactacnct ngaggcctgc tctgttcacc 60
ttgtgtgctg ggaatgagct ctctactgc ctctctacc tgttccattt ctctgaggga 120
cctttagtgt gctctgtggg actgttccgg atgggcctct gggtcactgc ccccatcgcc 180
ttgctgaagt cgctcatcag cgtcatccac ctgatcacgg ccgcccga catggctgcc 240
ctggacgcag cagaccgcgc caagaagaag tgacgctgga gccccgggtc ctggctgccc 300

```

```

<210> 153
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 168, 190, 203, 229
<223> n = A,T,C or G

```

```

<400> 153
gttgccctgc ctctggctcc agaacagaaa gggagcctca cgctggctca cacaaaacag 60
ctgacactga ctaaggaact gcagcatttg cacaggggag gggggtgcct ccttcctaga 120
ggccctgggg gccaggctga ttggggggca gattgacata ggccccantc atcagatgtc 180
tgaaattcan cacgggggta acntgggggg ttagggacta tttttaaant aggggtggc 239

```

```

<210> 154
<211> 113
<212> DNA

```

<213> Homo sapiens

<400> 154

```
gacacatttg ttacttcgtg agcaagcccg gaggtctgga gccccctgcc gtgttcacag 60
gtgacacctt gtttgtggct ggctgcggga agttctatga agggactgcg gat 113
```

<210> 155

<211> 294

<212> DNA

<213> Homo sapiens

<400> 155

```
tttttttttt tttttttttt ttttggcggg aataaatact tgttaaactt ctcttataaa 60
tatgcattaa aacgtccgat aacacaagcc aagggtctga aaattaaggt taaatcaaga 120
ctgaatttcc cgcacggacc agcaggaaag ccagttacct aaaagagcct aatcccaaaa 180
tccgctgaag gtgcagggcg gcctcagtcg cggggcatct tgaactggtc cttctccctg 240
cgcacggccc gcatggtggt caccgggtcc gtctcacctg cgtgctgctg cacc 294
```

<210> 156

<211> 419

<212> DNA

<213> Homo sapiens

<400> 156

```
tagccatggc aggacagctc ctggaccagg tctcataatg catgtggcac ttaggtccaa 60
gctctccaga ggggtgaaagc tggagtctgt caatgtccta ctgagacagc acagccaacc 120
tagctagcaa catttgtttt agtctgaaca atatatactt atagaattca gtcaaagata 180
cacaatctga aacagcttca tggggtggac tctaacagta gttgcaatgt tttagaatga 240
gacttacttc tctgctatct agatctgaac tccttggcct ctttacttag ttcaagcccc 300
agcctaggaa agccagttac ataaaagttg gctcaggagt cttagagctt tacctaaata 360
gagcccagaa aacggaggat gggggtgggg cgccttcctg gaggtgacac ttgatgggg 419
```

<210> 157

<211> 357

<212> DNA

<213> Homo sapiens

<400> 157

```
cgtattgctg tcaagccgtg agctagccat ggcaggacag ctccctggacc aggtctcata 60
atgcatgtgg cacttaggtc caagctctcc agagggtgaa agctggagtc tgtcaatgtc 120
ctactgagac agcacagcca acctagctag caacatttgt tttagtctga acaatatata 180
cttatagaat tcagtcaaag atacacaatc tgaacacagc tcatggggtg gactctaaca 240
gtagttgcaa tgttttagaa tgagacttac ttctctgcta tctagatctg aactccttgg 300
cttctttact tagttcaagc cccagcctag gaaagccagt tacataaaag ttggctc 357
```

<210> 158

<211> 408

<212> DNA

<213> Homo sapiens

<400> 158

```
actttgtatc actgcagcgc ttcacacctt catcctgaag atatctggaa cattcgtagt 60
atctgcagca ccaccaatat ccaatgcaag aacggcaaga tgaactgccg tgagggtgta 120
gtgaaggtca cagattgcag ggacacagga agttccaggg cacccaactg cagatatcgg 180
gccatagcga gcactagacg tgttgtcatt gcctgtgagg gtaaccacac ggtgcctgtg 240
cactttgacg gttagatgcc accatgtagg gattatcgcg agtgggtgac cttacactta 300
ctccttaaat agcagtgagt aatgcatttg agctgccccg ggctctgtct cctcagctca 360
tttcttactc tttttctcta tataactcat tctattaaat acattgca 408
```

<210> 159

<211> 550

<212> DNA
 <213> Homo sapiens

<400> 159
 acaaggacgc caacccacc tagatgcaaa gcaggattca aaagaacatc tttgcgtttt 60
 ctaccggctc cccatcatcg tactagggag gaagaagcgg gtgagaaaca aaacttcttt 120
 ccattgtcct gcccttttct gcggacttgt tctgaggccg aggcacctct aagatactga 180
 tggctctgca gaggacccat tcattgett cgtttttgct gctgaccctg ctggggctgg 240
 ggctgggtcca gccctcctat ggccaggatg gcatgtacca gcgattcctg cggcaacacg 300
 tgcaccctga ggagacaggt ggcagtgatc gctactgcaa cttgatgatg caaagacgga 360
 agatgacttt gtatcactgc aagcgcttca acaccttcat ccatgaagat atctggaaca 420
 ttcgtagtat ctgcagcacc accaatatcc aatgcaagaa cggcaagatg aactgccatg 480
 aggggtgtagt gaaggtcaca gattgcaggg acacaggaag ttccagggca cccaactgca 540
 gatatcgggc 550

<210> 160
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 160
 ccaacccac ctagatgcaa agcaggattc aaaagaacat ctttgcgttt tctaccggct 60
 ccccatcatc gtactagga ggaagaagcg ggtgagaaac aaaacttctt tccattgtcc 120
 tgcccgtttc tgcggacttg ttctgaggcc gaggcacctc taagatactg atggctctgc 180
 agaggaccca ttcattgctt ctgcttttgc tgctgaccct gctggggctg gggctgggtc 240
 agccctccta tggccaggat ggcattgtacc agcgattcct gcggcaacac gtgcaccctg 300
 aggagacagg tggcagtgat cgctactgca acttgatgat gcaaagacgg aagatgactt 360
 tgtatcactg caagcgcttc aacaccttca tccatgaaga tatctggaac attcgtagta 420
 tctgcagcac caccaatatc caatgcaaga acggcaagat gaactgccat gagggtgtag 480
 tgaaggtcac agattgcagg gacacaggaa gttccagggc acccaactgc agatatcggg 540
 ccatagcgag cact 554

<210> 161
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 161
 aattacatct tctttaaagc caaatgggag atgccctttg accccaaga tactcatcag 60
 tcaaggggcg tacttgagca ggaaaaagtg ggtaatggtg cccatgatga gtttgcatca 120
 cctgactata cttacttcc gggacgagga ggtgtcctgc accgtggtgg agctgaagta 180
 cacaggcaat gccagcgcac tcttcatcct ccctgatcaa gacaagatgg aggaagtgga 240
 agccatgctg ctcccagaga ccctgaagcg gtggagagac tctctggagt tcagagagat 300
 aggtgagctc tac 313

<210> 162
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 162
 cggcgcgcct tttttttttt tttggcccc cggggcccc ttatttttaa aacccccccc 60
 cccctgggg ggggggcccc gaccttttaa gttttttttt tttcccccg gggaaaaaaa 120
 ggggggaaaa aaaaaaaaaa ttcccccccc tttttcccc ccccaaaaaa gggggggacc 180
 ccccgggggg ggggggggtt ccccgggggg gaaaaaaa aaccccggg gcccccccc 240
 aatttttttc cccccccct tggggggggg ggggggggg ggggggggg gggggcccc 300
 ccccccccc ccccccccat tttgggggt tgggttggg gaaattttt tttaaaaaa 360
 aaaaaaaa atttgggggt ccccccccc ctttttttc cccccctt tttccaaaag 420
 ggaccccc ccccccccc caaaaaaac ccccccccc ccccaaaaa aacccccccc 480
 cgggggggga aaaaaaagg ggggggggg ggcccccc 519

<210> 163
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 163
 aactaaaaac tacagtggaa gaaaggaagt cttcagaagc ctccccact gcgcaaagaa 60
 gtaaagatca cagtaaggaa tgcataaacg ctgccccaga ttctccgtcc aaacagcttc 120
 cagaccagat ttcattcttc agtggaatc catcagttga aatagttcat ggtattatgc 180
 acctatataa gacaaataag atgacctct taaaagaaga tgtgcggcgc agtgccatgc 240
 tgtgtattct cacagtcctt gctgcaatga ccagtcatga ccttatgaag tttgttgccc 300
 catttaacga agtaattgaa caaatgaaaa ttatcagaga ctctactccc aaccaatata 360
 tgggtgctgat aaagtttcgt gcacaggctg atgcggatag tttttatatg acatgcaatg 420
 gc 422

<210> 164
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 164
 tacggccggg tgcgagctct gcgggaagcg gttcctggat agtttgcggc tgagaatgca 60
 cttactggct cattcagcgg gtgccaaagc ctttgtctgt gatcagtgcg gtgcacagtt 120
 ttcgaaggag gatgccctgg agacacacag gcagacccat actggcactg acatggccgt 180
 cttctgtctg ctgtgtggga agcgcatcca ggcgagagc gactgcagc agcacatgga 240
 ggtccacgcg ggcgctgcga gctacatctg cagtgaagtgc aaccgcacct tcccagcca 300
 cacggctctc aaacgccacc tgcgctcaca tacaggcgac caccctacg agtgtgagtt 360
 ctgtggcagc tgcttcggg atgagagcac actcaagagc cacaaacgca tccacacggg 420
 tgagaaaccc tacgagtgc atggctgtgg caagaagttc agcctcaagc atcagctgga 480
 gacgcactat aggggtgcaca caggtgagaa gccctttgag tgtaggctct gccaccagcg 540
 ctcccgggac tactcgcca tgatcaagca cctgagaacg cacaacggcg cctcgcccta 600
 ccagtgcacc atctgcacag agtact 626

<210> 165
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 165
 gatagtttgc ggctgagaat gcacttactg gctcattcag cgggtgccaa agcctttgtc 60
 tgtgatcagt gcggtgcaca gttttcgaag gaggatgcc tggagacaca caggcagacc 120
 catactggca ctgacatggc cgtcttctgt ctgctgtgtg ggaagcgcat ccaggcgag 180
 agcgactgc agcagcacat ggaggtccac gcggcgctgc gcagctacat ctgcagtga 240
 tgcaaccgca ccttccccag ccacacggct ctcaaagcc acctgcgctc acatacaggc 300
 gaccacccct acgagtgtga gttctgtggc agctgcttcc gggatgagag cacactcaag 360
 agccacaaac gcatccacac gggtagagaa ccctacagat gcaatggctg tggcaagaag 420
 ttcagcctca agcatcagct ggagacgcac tatagggtgc acacaggtga gaagccctt 480
 gagtgtaggc tctgccacca gcgctcccg gacta 515

<210> 166
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 166
 actgttcaag gtttattggg ggttttagtt ggtataacac ttggatagtt ggttgcatg 60
 tttgtatgta gatcttttta cattatatgg taatgtacac tactgatata gttcacaaaa 120
 taagatcctt tggaagaatt atgcacaaga catgatattg gatttatata ctggatccca 180
 ggatgtgact cactgggaaa aaatgttgga ctaggcatgt tcagtgaagg agccaggaag 240
 ttatataaca cacggtaaac atccacctgg ctcaaggggc aaatgcagta cgtacagcat 300
 tggcagtggt gcgtcagagg tggcagaact atttcacact aaccagttga agactacaca 360

agattaatac	catccagcat	caggatatag	ctgtggattt	tacaaacccat	tcttatttct	420
aacttcagga	gttgatgttt	ttcccagtc	atcttaaaat	attactgctt	taatcacaga	480
tcagataaaa	aggacaacat	gcacaacctc	cacctagaat	cctgttgtag	cctagacagt	540
gaaatgatat	gacatcagaa	gactttaaaa	ttgcagctcc	ttttggatcc	cccaaagtgt	600
atctgcactc	ttctt					615

<210> 167
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 167	
tttttttttt	ccactgttca aggtttattg ggggttttag ttggtataac acttggatag 60
tgggttgcat	tgtttgtatg taaatctttt tacattata 99

<210> 168
 <211> 612
 <212> DNA
 <213> Homo sapiens

<400> 168	
tacggccggg	acatgaagga gctaggagtg ggaatagctt tgcgaaaaat gggcgcaatg 60
gccaaagccag	attgtatcat cacttgtgat ggtaaaaacc tcaccataaa aactgagagc 120
actttgaaaa	caacacagtt ttcttgtacc ctgggagaga agtttgaaga aaccacagct 180
gatggcagaa	aaactcagac tgtctgcaac ttacagatg gtgcattggt tcagcatcag 240
gagtgggatg	ggaaggaaag cacaataaca agaaaattga aagatgggaa attagtgggt 300
gagtgtgtca	tgaacaatgt cacctgtact cggatctatg aaaaagtaga ataaaaattc 360
catcatcact	ttggacagga gttaattaag agaatgtcca agctcagttc aatgagcaaa 420
tctccatact	gtttctttct ttttttttca ttactgtgtt caattatctt tatcataaac 480
attttacatg	cagctatttc aaagtgtgct ggattaatta ggatcatccc tttggttaat 540
aaataaatgg	gtttgtgcta atatatcttg tatgcattct ttaaacctta caggaaatta 600
gtgatgagtt	tt 612

<210> 169
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 169	
gaaaacaaca	cagttttctt gtaccctggg agagaagttt gaagaaacca cagctgatgg 60
cagaaaaact	cagactgtct gcaactttac agatgggtgca ttggttcagc atcaggagtg 120
ggatgggaag	gaaagcacia taacaagaaa attgaaagat gggaaattag tgggtggagt 180
tgtcatgaac	aatgtcacct gtactcggat ctatgaaaaa gtagaataaa aattccatca 240
tcactttgga	caggagttaa ttaagagaat gtccaagctc agttcaatga gcaaattctc 300
atactgtttc	tttctttttt ttccattact gtgttcaatt atctttatca taaacatttt 360
acatgcagct	atttcaaagt gtgctggatt aattaggatc atccctttgg 410

<210> 170
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 170		
gctcggaat	tcgctcgagt gctgctcccc acccatggac aggagatcct gggttgggccc 60	
tccctctgat	gacccagccc agatgagcga gtggggctca gcgtggccca tgggtgacct 120	
cactcagcat	tcccatgcct gatgtttacc aagtgtgtgt ttggacactg gctttctcca 180	
aacaggatgt	gcctcctcca cgctccctac acacctgaga tgtaaaactgg cagtcagtgt 240	
tcactcagga	cctaggatta gaaaatggca gagttgggtgc tggatccacc ttgcacttct 300	
atcaagccct		310

<210> 171

<211> 257
 <212> DNA
 <213> Homo sapiens

<400> 171
 tgctgctccc cagcccatgg acaggagatc ctgggttggg cctccctctg atgaccccag 60
 ccagatgagc gagtggggct cagcgtggcc catgggtgcct gtcactcagc attcccatgc 120
 ctgatgttta ccaagtgtctg tgttggacac tgactttctc caaacaggat ttgcctcctc 180
 cacgctccct acacacctga gatgtaaact ggcagtcagt gttcactcag gacctaggat 240
 tagaaaatgg cagagtt 257

<210> 172
 <211> 593
 <212> DNA
 <213> Homo sapiens

<400> 172
 tgaagaacgg tgccacttac gaagccaaaa tcaaggatgt ggatgagaaa gcagacatcg 60
 cactcatcaa aattgaccac cagggcaagc tgctgtcct gctgcttggc cgctcctcag 120
 agctgcggcc gggagagttc gtggtcgcca tcggaagccc gttttccctt caaaacacag 180
 tcaccaccgg gatcgtgagc accacccagc gaggcggcaa agagctgggg ctccgcaact 240
 cagacatgga ctacatccag accgacgcca tcatcaacta tggaaactcg ggaggcccg 300
 tagtaaacct ggacggtgaa gtgattggaa ttaacacttt gaaagtgaç gctggaatct 360
 cctttgcaat cccatctgat aagattaaaa agttcctcac ggagtccat gaccgacagg 420
 ccaaaggaaa agccatcacc aagaagaagt atattggtat ccgaatgatg tcactcacgt 480
 ccagcaaagc caaagagctg aaggaccggc accgggactt cccagacgtg atctcaggag 540
 cgtatataat tgaagtaatt cctgataccc cagcagaagc tgggtggtctc aag 593

<210> 173
 <211> 304
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 106, 113, 125, 137
 <223> n = A,T,C or G

<400> 173
 gggtcaaaagt tgagctgaag aacggtgcca cttacgaagc caaaatcaag gatgtggatg 60
 agaaagcaga catcgactc atcaaaattg accaccaggg caagcngcct gtncgtctgc 120
 ttgngcgctc ctgaganctg cggccgggag agttcgtggg cgccatcgga agcccgtttt 180
 cccttcaaaa cacagtcacc accgggatcg tgagcaccac ccagcgaggc ggcaaagagc 240
 tggggctccg caactcagac atggactaca tccagaccga cgccatcatc aactatggaa 300
 actc 304

<210> 174
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 174
 ggtcagaaga gttgtgcacg cagattagca ggccaaggtc tgagccacag cagcattttt 60
 atttcagatt ttgataactg tttatatgtg ttgaaaacca aaatgacatc tttttaaagc 120
 ttatccataa aaaaaaatag atgtctttta tagtggaaaa acacatgggg aaaaaaatca 180
 tctattttga tgcagcattt gataatgata aaacacctca cacctcactc tttatagtgc 240
 acaaaatgaa tgaggtct 258

<210> 175
 <211> 442
 <212> DNA

<213> Homo sapiens

<400> 175

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aagtagccgc tccgagtgga ggcgactggg ggctgaagag cgcgcgcgcc tctcgtccca 60
ctttccagggt gtgtgatacct gtaaaattaa atcttccaag atgatctgggt atatattaat 120
tataggaatt ctgcttcccc agtctttggc tcatccaggc ttttttactt caattgggtca 180
gatgactgat ttgatccata ctgagaaaga tctgggtgact tctctgaaag attatattaa 240
ggcagaagag gacaagttag aacaaataaa aaaatgggca gagaagttag atcggctaac 300
tagtacagcg acaaaagatc cagaaggatt tgttgggcat ccagtaaatt cattcaaatt 360
aatgaaacgt ctgaatactg agtggagtga gttggagaat ctggtcctta agggatatgtc 420
agatggcttt atctctaacc ta 442
```

<210> 176

<211> 611

<212> DNA

<213> Homo sapiens

<400> 176

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gggctgaggt aggaagtagc cgctccgagt ggaggcgact gggggctgaa gagcgcgcgcg 60
ccctctcgtc ccactttcca ggtgtgtgat cctgtaaaat taaatcttcc aagatgatct 120
ggtatatatt aattatagga attctgcttc cccagtcctt ggctcatcca ggctttttta 180
cttcaatttg tcagatgact gatttgatcc atactgagaa agatctgggt acttctctga 240
aagattatat taaggcagaa gaggacaagt tagaacaat aaaaaaatgg gcagagaagt 300
tagatcggct aactagtaca gcgacaaaag atccagaagg atttgttggg catccagtaa 360
atgcattcaa ataatgaaa cgtctgaata ctgagtggag tgagttggag aatctgggtcc 420
ttaagggat gtcagatggc tttatctcta acctaacct tccagagacag tactttccta 480
atgatgaaga tcaggttggg gcagccaaag ctctgttacg tctccaggat acctacaatt 540
tggtacaga taccatctca aagggtaatc ttccaggagt gaaacacaaa tcttttctac 600
ggctgaggac t 611
```

<210> 177

<211> 416

<212> DNA

<213> Homo sapiens

<400> 177

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ttacaaactc ctgaaccata atattctcgt ctccacagac acatactcca taatttaaaa 60
ccaaatgctt gtgagaaagc ttgctcatca tacttgctgc ttcaaagaaa gactctgaat 120
agtttctgtg tgctttatcc agaactttta aaagaacttc tgtttcatgc agttgaccgt 180
agttctctac ttctcttcgt acgcctttta aaatctttgt aaaagtgcct tggccaaggc 240
tttcattaaa tatcaaatct tcatttctga ttttgtgaaa caccatttgg ttcatatgag 300
taggcctctg taatgttggg gaggttggt catcagaaac accattcgtt ctgaagacta 360
gaaggtttga tttatctttt cggctttggg ggacagcatt tagtacacgg gaaaat 416
```

<210> 178

<211> 163

<212> DNA

<213> Homo sapiens

<400> 178

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gggctttttt tttttgcaaa gttccaaatt tatgggtcgg gaaataaatc caaatttctc 60
attaaaaaac tccttttgaa aaacttgggc ccaaaagttt cccatccgaa ctcagccttt 120
tttgccccga tccccgactt ttttactcaa ggcccgggaa ggc 163
```

<210> 179

<211> 285

<212> DNA

<213> Homo sapiens

<400> 179

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aaagttacaa atttattgggt ctggaaataa atacaaatat ctcattaaga aactcctctg 60
```

gaaagacttg	tgcacaatag	tttcccatcc	gtactcagcc	tctcttgccc	cgatccccga	120
cttttctact	caaggccagg	gaaaggcctc	caaggatgat	ggcggcagg	aacgagtcac	180
tgccctctcac	gccacctgga	aggctggact	acttccctct	cccaactgcg	gggtcccaga	240
aatcctcggg	tcccagtggc	tgactttaca	tattcaattc	actct.		285

<210> 180
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 180						
tcgagccgcc	gccgcccctg	tacaacaaca	acaacaactg	cgaggaaaat	gagcagtcctc	60
tgcccccgcc	ggcgggcctc	aacagttcct	gggtggagct	acccatgaac	agcagcaatg	120
gcaatgataa	tggcaatggg	aaaaatgggg	ggctggaaca	cgtaccatcc	tcctcctcca	180
tccacaatgg	agacatggag	aagattcctt	tggatgcaca	acatgaatca	ggacagagta	240
gttcacagagg	cagttctcac	tgtgacagcc	cttcgccaca	agaagatggg	cagatcatgt	300
ttgatgtgga	aatgcacacc	agcagggacc	atagctctca	gtcagaagaa	gaagttgtag	360
aaggagagaa	ggaagtcgag	gctttgaaga	aaagtgcgga	ctgggtatca	gactggtcca	420
gtagacccga	aaacattcca	cccaaggagt	tccacttc			458

<210> 181
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 181						
tttttttttt	tttttttttt	tttcttttta	ataactatca	actcaaactt	agggaaaactt	60
gcctttgtct	tgggggaaaa	aaacaactag	acaataaagc	ttctttttaca	tcatttgcta	120
acctgatctc	gttttaagag	agagatggta	gttatgttgc	aagagtaaaa	tttataccat	180
gaatgataca	ggtctagtct	ggtggcacta	attagagata	atagcattgc	tgacaaaatt	240
ataatctgct	ggtggcattt	gcggaaaaga	ggcccttgca	aattttctaaa	caacagtaaa	300
ctctgttagg	aaatttctaaa	atgtcttca				329

<210> 182
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 182						
atacatgtaa	cttcattatt	ttaaaaaatat	ttttagaact	ccaataactca	ccctgttatg	60
tcttgctagt	ttaaattttg	ctaatttaact	gaaacatgct	taccagattc	acactgttcc	120
agtgtctata	aaagaaacac	tttgaagtct	ataaaaaata	aaataattat	aatgtgcatt	180
gtacatagca	tgtttatatc	tgcaaaaaaac	ctaatagcta	attaatctgg	aatatgcaac	240
attgtcctta	attgatgcaa	ataacacaaa	tgotgcaaag	aaatctacta	tatcccttaa	300
tgaaatacat	cattcttcat	atattttctcc	ttcagtcocat	tcccttaggc	aatttttaat	360
ttttaaaaat	tattatcagg	ggagaaaaat	tggcaacgct	attatatgta	agggaaaatat	420
atacaaaaag	aaaattaatc	atagtcacct	gactaagaaa	ttctgactgc	tagttgccat	480
aaataactca	atggaaatat	tcctatggga	taatgtattt	taagtga		527

<210> 183
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 183						
atacatacat	gtaacttcat	tatttttaaaa	atatttttag	aactccaata	ctcacccctgt	60
tatgtcttgc	taattttaaat	tttgctaatt	aactgaaaca	tgcttaccag	attcacactg	120
ttccagtgtc	tataaaaagaa	acactttgaa	gtctataaaa	aataaaaataa	ttataaatat	180
cattgtacat	agcatgttta	tatctgcaaa	aaacctaata	gctaattaat	ctggaatatg	240
caacattgtc	cttaattgat	gcaaataaca	caaagtctca	aagaaatcta	ctatatccct	300
taatgaaata	catcattctt	catatatattc	tccttcagtc	cattccctta	ggcaattttt	360

```

aattttttaa aattattatc aggggagaaa aattggcaaa actattatat gtaagggaaa 420
tatatacaaa aagaaaatta atcatagtca cctgactaag aaattctgac tgctagttgc 480
cataaataac tcaatggaaa tattcctatg ggataatgta ttttaagtga 530

```

```

<210> 184
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 98, 141, 162, 213
<223> n = A,T,C or G

```

```

<400> 184
tatacataca tgtaacttca ttatttttaa aatattttta gaactccaat actcaccctg 60
ttatgtcttg ctaattttaa ttttgcta taactganac atgcttacca gattcacact 120
gttccagtgt ctataaaaga nacactttga agtctataaa anataaaata attataaata 180
tcattgtaca tagcatgttt atatctgcaa aanacctaag agctaattaa tctggaatat 240
gcaacattgt cct 253

```

```

<210> 185
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<400> 185
ccgttgctgt cgatcccagc tccttgggag gctgaggcgg gagaattgcg ggaaggcggg 60
gacggaggtt gcagtgagcc gagatcgac tgctgtaccc agcctgggcc acagtgcaag 120
actccatctc aaaaaaaaaa gaaaagaaaa agcctgttta atgcacaggt gtgagtggat 180
tgcttatggc tatgagatag gttgatctcg cccttaccce ggggtctggg gtatgctgtg 240
ctttcctcag cagtatggct ctgacatctc ttaaattgtcc caacttcagc tgttgggaga 300
tggtgatatt ttcaacccta cttcctaaac atctgtctgg gggttcctta gtcttgaatg 360
tcttatgctc aattatttgg tgttgagcct ctctccaca agagctcctc catgtttgga 420
t 421

```

```

<210> 186
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<400> 186
cagctccttg ggaggctgag gcgggagaat tgcttgaacc cggggacgga gggtgcagtg 60
agccgagatc gcactgctgt acccagcctg ggccacagtg caagactcca tctcaaaaaa 120
aaaagaaaag aaaaagcctg tttaatgcac aggtgtgagt ggattgctta tggctatgag 180
ataggttgat ctgcacctta ccccggggtc tgggtgatgc tgtgctttcc tcagcagtat 240
ggctctgaca tctcttagat gtcccaactt cagctgttgg gagatgggtga tttttcaac 300
cctacttcct aaacatctgt ctgggggttc tttagtcttg aatgtcttat gctcaattat 360
ttggtgttga gcctctc 377

```

```

<210> 187
<211> 243
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 228
<223> n = A,T,C or G

```

```

<400> 187

```

```

gaggtattcc acctcctacc ggaatataat taaagggaga aatacactgt atgaagtata 60
tggtgatact atgacatggt gccaacacct tgagaagcat tatttggttc taataaaagt 120
aatggccttg tcaatatatt ggtgggttta aaactttgct gcttttttac ataaagcctg 180
tgcctttcct agaaagttaa gatgtaaatg tattctcaca tgtaaantg aaagttcagg 240
ggt 243

```

```

<210> 188
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<400> 188
tattccacct cctaccggaa tataattaaa gggagaaata cactgtatga agtatatggt 60
gatactatga catgttgcca acaccttgag aagcattatt tgtttctaataaaaagt 120
gctttgtcaa tatattggtg ggtttaaaac tttgctgctt ttttacataa agcctgtgcc 180
tttcctagaa agttaagatg taaatgtatt ctacatgta aatttgaaag ttcaggggtc 240
tattatgaaa tgatacacat ttttaaatga accataattt ttttactaa gctgtttgcc 300
ttccaaagtg tttacacctt aagccttaac atgtatcttc attcagaaaa cagttatatt 360
gtcataccat agtaggaaga aaaaccttta tttggaatat acactactgt aagtttgtac 420
agatcatata cctaccacct gtctttgctt aaagagcctt gattacataa atatgtagga 480
aaaaacatat tgagttcaaa atttatatct aacattggtt atgttatgat ttttttttaa 540
ttgc 544

```

```

<210> 189
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 210
<223> n = A,T,C or G

```

```

<400> 189
cacaaaaggt atgatcagca acttgcttgg gaaaggagcc gtggaccagc tgacacggct 60
ggtgctggtg aatgccctct acttcaacgg ccagtggag actcccttcc ccgactccag 120
caccacccgc cgctcttcc acaaatcaga cggcagcact gtctctgtgc ccatgatggc 180
tcagaccaac aagttcaact atactgagtn caccacgccc gatggccatt atacgacatc 240
ctgg 244

```

```

<210> 190
<211> 209
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 140
<223> n = A,T,C or G

```

```

<400> 190
gaacactggt gctcttggtg gacgggcccc gaggaattca gagttaaacc ttgagtgcct 60
gcgtccgtga gaattcagca tggaatgtct ctactatttc ctgggatttc tgctcctggc 120
tgcaagattg ccacttgatn ccgccaaacg atttcatgat gtgctgggca atgaaagacc 180
ttctgcttac atgaggggag acaatcaat 209

```

```

<210> 191
<211> 254
<212> DNA
<213> Homo sapiens

```


<220>
 <221> misc_feature
 <222> 85, 100, 143, 155, 182, 203, 229, 245, 254
 <223> n = A,T,C or G

<400> 191
 ctcccaacca agctctcttg aggatcttga aggaaactga attcaaaaag atcaaagtcc 60
 tgggctccgg tgcgttcggc acgnggtata agggactctn gatcccagaa ggtgagaaag 120
 ttaaaattcc cgtcgtctatc aangaattaa gagangcaac atctccgaaa gccaacaagg 180
 anactctcga tgaagcctac gtnatggcca gcgtggacaa cccccacngg tgccgcctgc 240
 tgggnatctg tctn 254

<210> 192
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 192
 tttttttttt tttttttttc aaatatacct ctttgaaaga taaattttctg ctcaaaggga 60
 caatattctt gctggatgcg ttctgtataa tgcttcacag tttgaagaca aaggaatgca 120
 acttcccaaa atgtgcccgga ggtggaagta ctctctggct agtcggtgta aacgttgcaa 180
 aaccagtctg tgggtctaag agctaattgcg ggcatggctg ttgggatgga ggacctgctg 240
 ttgcttggtc ctgggtatcg aaagagtctg gatttttagg gctcactata tcctccgtgg 300
 tcatactcca ataaattcac tgctttgtgg cgcgaccctt aggtattctg cattttcagc 360
 tgtggagccc ttaaagatgc cattttggctt ggcttccttg ggaaagaagt cctgctggta 420
 gtcagggttg tccaggctaa tttggtggct gcctttctgg gccagtgagg cagggtgtgc 480
 gaat 484

<210> 193
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 193
 tttaatcata tccaggagtt tgcaagaaac aggtgcttaa cactaattca cctcctgaac 60
 aagaaaaatg ggctgtgacc ggaactgtgg gctcatcgct ggggtgtgca ttggtgctgt 120
 cctggctgtg tttggaggta ttctaattgc agttggagac ctgcttatcc agaagacaat 180
 taaaaagcaa gttgtcctcg aagaaggtac aattgctttt aaaaattggg ttaaaacagg 240
 cacagaagtt tacagacagt tttggatctt tgatgtgcaa aatccacagg aagtgatgat 300
 gaacagcagc aacattcaag ttaagcaaag aggtccttat acgtacagag ttctgtttct 360
 agccaaggaa aatgtaacc aggacgtgga ggacaacaca gtctctttcc tgcagcccaa 420
 tgggtgccatc ttcgaaacct cactatcagt tggaaacagag gctgacaact tcacagttct 480
 caatctggct gtggcagctg catcccatat ctatcaaaat caatttgttc aaatgatcct 540
 caattcactt attacaagt caaaatcttc tatgttccaa gtcagaactt tgagagaact 600
 gttatggggc tatagggatc cattttttgag tttggttccg taccctgtta ctaccacagt 660

<210> 194
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 194
 ctttaatcat atccaggagt ttgcaagaaa caggtgctta aactaattc acctcctgaa 60
 caagaaaaat gggctgtgac cggaactgtg ggctcatcgc tggggctgtc attggtgctg 120
 tcctggctgt gtttgagggt attctaattgc cagttggaga cctgcttata cagaagacaa 180
 ttaaaaagca agttgtcctc gaagaaggta caattgcttt taaaaattgg gttaaaacag 240
 gcacagaagt ttacagacag ttttggatct ttgatgt 277

<210> 195
 <211> 457

<212> DNA
<213> Homo sapiens

<400> 195
gactggggttt ggggtgcagac gttgttgctt gggcgcttct ccgctgcgtg taggtgaagg 60
gggcttcctg accgagacat ggatttaggt gctattacaa aatactcagc attacacgcc 120
aagcccaatg gactgatcct tcaatacggg actgctggat ttcgaacgaa ggcagaacat 180
cttgatcatg tcatgtttcg catgggatta ttagctgtcc tgagggtcaaa acagacaaaa 240
tccactatag gagtcatggg aacagcgctc cacaatcctg aggaagacaa tgggtgtaaaa 300
ttggttgatc ctttgggtga aatgttggca ccacctcggg aggaacatgc cacctgttta 360
gcaaatgctg aggaacaaga tatgcagaga gtgcttattg acatcagcga gaaagaagct 420
gtgaatctgc aacaagatgc cttttagatt attggta 457

<210> 196
<211> 361
<212> DNA
<213> Homo sapiens

<400> 196
tttttttttt tttttttttt tttgggcagg agaccatgtt actttattca tttgtttaac 60
tttaaccatg ttcaataaac ttttcacctg tttgggtgagt tccacaaaag ccttagagag 120
tttctggtag taaccttcta tagttgcctt tccatcctg ccacccgtgt ttcgacaata 180
caccatgtag tgcagctggg gtgttgttaa caagccataa tcatggaatt gacctcctag 240
aacagtcaca ccatttatta cagattgtga aagtttctca ctgctgggcc tggatatctt 300
accaataact acaaaggcat cttgttgtag attcacagct tctttctcgc tgatgtcaat 360
a 361

<210> 197
<211> 551
<212> DNA
<213> Homo sapiens

<400> 197
gagccgagct gatttgatcg aggagcgcgg ttaccggacg ggctgggtct atggtcgctc 60
cgcgggccgc tccgcgggct ggtgcttttt tatcagggca agctgtgttc catggcaggg 120
aacttttggc agatctccca ctatttgcaa tggatttttg ataaacaaga tctgttgaag 180
gagcgccaaa aggattttaa gtttctctca gaggaagaat attggaagtt acaaatattt 240
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actgctacgg tatatttcaa gagattctat gccagggtatt ctctgaaaag tatagatcct 360
gtattaatgg ctctacatg tgtgtttttg gcatccaaag tagaggaatt tggagtagtt 420
tcaaatcaca gattgattgc tgctgctact tctgtattaa aaactagatt ttcatatgcc 480
tttccaaagg aatttcctta taggatgaat catatattag aatgtgaatt ctatctgta 540
gaactaatgg a 551

<210> 198
<211> 637
<212> DNA
<213> Homo sapiens

<400> 198
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gtctatggtc gctccgcggg ccgctccgcc ggctggtgct tttttatcag ggcaagctgt 120
gttccatggc agggaacttt tggcagagct cccactattt gcaatggatt ttggataaac 180
aagatctgtt gaaggagcgc caaaaggatt taaagtttct ctgagaggaa gaatattgga 240
agttacaaat attttttaca aatgttatcc aagcattagg tgaacatctt aaattaagac 300
aacaagttat tgccactgct acggtatatt tcaagagatt ctatgccagg tattctctga 360
aaagtataga tcctgtatta atggctccta catgtgtgtt tttggcatcc aaagtagagg 420
aatttggagt agtttcaa acaagattga ttgctgctgc tacttctgta ttaaaaacta 480
gattttcata tgcctttcca aaggaaattc cttataggat gaatcatata ttagaatgtg 540
aattctatct tttagaacta atggattgtt gcttgatagt gtatcatcct tatagacctt 600
tgctccagta tgtgcaggac atgggccaag aagacat 637

<210> 199
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 199
 tagaaagcct ccacctggag tacaatgccc tcaaggctct tcacaatggc accctggctg 60
 agttgcaagg tctacccac attaggggtt tctggacaa caatccctgg gtctgcgact 120
 gccacatggc 130

<210> 200
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 29, 100, 297, 298, 353, 357
 <223> n = A,T,C or G

<400> 200
 gtgctgtttg accaatggtc atgtggccna gattggggac ttcgggctgg ctaggacat 60
 catgaatgac tccaactaca ttgtcaaggg caatgccgn ctgcctgtga agtggatggc 120
 cccagagagc atctttgact gtgtctacac ggttcagagc gacgtctggt cctatggcat 180
 cctcctctgg gagatcttct cacttgggct gaatccctac cctggcatcc tggatgaacag 240
 caagttctat aaactgggtga aggatggata ccaaattggc cagcctgcat ttgccnnaa 300
 gaatatatac agcatcatgc aggcctgctg ggcttgggag cccaccaca ganccanctt 360
 ccagcagatc tg 372

<210> 201
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 10, 11, 78, 112, 130, 150, 231, 457
 <223> n = A,T,C or G

<400> 201
 gancacctgn nacaaggagg atggacggcc cctggagctc cgggacctgc ttcacttctc 60
 cagccaagta gccaggnat ggccttcctc gcttccaaga attgcatcca cngggacgtg 120
 gcagcgcgtn acgtgctgtt gaccaatggn catgtggcca agattgggga cttcgggctg 180
 gctagggaca tcatgaatga ctccaactac attgtcaagg gcaatgccgc nctgcctgtg 240
 aagtggatgg cccagagag catctttgac tgtgtctaca cggttcagag cgacgtctgg 300
 tctatggca tctcctctg ggagatcttc tcaattgggc tgaatcccta ccctggcatc 360
 ctggtgaaca gcaagttcta taaactgggt gaaaggatgg ataccaaatg gccagcctg 420
 catcttgccc ccaaagaata tatacaagca tccatgnagg cccttctggg ccttgagg 478

<210> 202
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 202
 gcgagcaagg ggatatcgcc cagcccttgc tgcagcccaa caactatcag ttctgctgag 60
 gagttgacga caggagtag cactctcccc tcccacaaac ttcaactcct ccatggatgg 120
 ggcgacacgg ggagaacata caaactctgc cttcggtcat ttcactcaac agctcggccc 180
 agctctgaaa cttgggaagg tgagggattc aggggagg 218

<210> 203
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 203
 taagctcgga attcggctcg aggcgagcaa ggggatatcg cccagccctt gctgcagccc 60
 aacaactatc agttctgctg aggagttgac gacagggagt accactctcc cctcccacaa 120
 acttcaactc ctccatggat ggggcgacac ggggagaaca taaaaactct gccttcggtc 180
 atttcaactc acagctcggc ccagctctga aacttgggaa ggtgagggat tcaggggagg 240
 tcagaggatc ccacttctct agcatgggac atcactgcca gtcaggggct gggggctgag 300
 ccctcaccct cccctccctt actgttctca tgggtgttggc ctctgtgttg ctatgccaac 360
 tagtagaacc ttcttttcta atccccttat cttcatggaa atggactgac tttatgccta 420
 tgaagtcccc aggagctaca ctgatactga gaaaaccagg ctctttgggg ctagacagac 480
 tggcagagag tgagatctcc ctctctgaga ggagcagcag atgctcacag accacactca 540
 gctcaggccc cttgga 556

<210> 204
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 204
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 ttagcgtcaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
 aagtccatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
 ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
 ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg tgtctgcctt 300
 cacaaatgtc atgtctact 319

<210> 205
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 205
 attccgttgc tgtcagagggt cactaccagt acaagagcat ccctgtggag gacaaccaca 60
 aggcagacat cagctcctgg ttcaacgagg ccattgactt catagactcc atcaagaatg 120
 ctggaggaag ggtgtttgtc cactgccagg caggcatttc ccggtcagcc accatctgcc 180
 ttgcttacct tatgaggact aatcgagtca agctggacga ggcctttgag ttgtgaagc 240
 agaggcgaag catcatctct cccaacttca gcttcattgg ccagctgctg cagtttgagt 300
 cccaggtgct ggctccgcac tgttcggcag aggctgggag ccccgccatg gctgtgctcg 360
 accgaggcac ctccaccacc accgtgttca acttccccgt ctccatccct gtccactcca 420
 cgaacagtgc gctgagctac cttcagagcc ccatta 456

<210> 206
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 206
 agttttttaa taatgaatat tatttaatac cacaacagaa ttatcccaa tttccaataa 60
 gtcctatcat tgaaaattca aatataagtg aagaaaaaat tagtagatca acaatctaaa 120
 caaatccctc ggttctaaga tacaatggat tccccatact ggaaggactc tgaggcttta 180
 ttccccact atgcatactt tatcatttta ttattataca cacatccatc ctaaactata 240
 ctaaagccct tttcccatgc atggatggaa atggaagatt tttttttaac ttgttctaaa 300
 agtcttaata tgggctgttg ccatgaaggc ttgcagaatt gagtccattt tctagctgcc 360
 tttattcaca tagtgacgg ggtacctaata agtactgggg ttgactcaga gagtccgtgt 420
 cattctgtca ttgctgctac tctaactctg agcaacactc tcccagtggt agatcccctg 480
 tatcattcca agaggagcat tcatcccttt gctctaata ttaggaatga tgc 533

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<210> 207
<211> 246
<212> DNA
<213> Homo sapiens

<400> 207
aatgcactaa ctcaatacca agatgagttt ttaaataatg aatattatTT aataccacaa 60
cagaattatc cccaatttcc aataagtcct atcattgaaa attcaaatat aagtgaagaa 120
aaaattagta gatcaacaat ctaaacaatat ccctcggttc taagatacaa tggattcccc 180
atactggaag gactctgagg ctttattccc ccactatgca tatcttatca ttttattatt 240
atacac 246

<210> 208
<211> 407
<212> DNA
<213> Homo sapiens

<400> 208
ggcgcgcctt tttttttttt tttttttttt ttttttttgg gcaaaaaggg gctttttttt 60
ttttcccccc cccttttttt aacccttccc ctaatatTTc ccccaaaaaa aaaaattttt 120
tttttttggg ggggggaaaa aaaaggga aa aaaccccc cccccgggg ggggaaaaaa 180
accccccaaa aacccccctt ttgggggggt cccccccat ggggggtccc cccccaattt 240
ttttcccccc cccaaaaaaa tttttaaccc ccccccaagg ggggtgaaaa ccttaaaaaa 300
aacccccggg aaaaacccaa accccttttt taaaaaaaaa aaaaaaattt ttggggggga 360
aaaccccccc ccccaaaaaa accccccccc ccccccttaa aaaaaaa 407

<210> 209
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 53, 121, 123, 128, 133, 142, 150, 174, 179, 183, 186,
196, 200, 201, 204, 207, 212, 215, 218, 224, 229, 230, 231,
243, 244, 249, 260, 261, 267, 268, 270, 273, 279, 289, 291,
295, 301, 303, 305, 312, 315, 337, 345, 357
<223> n = A,T,C or G

<400> 209
ncggggactg cgcggcggtg cagagccggg cgtgggagag aacgaacggg ctnoctgcgg 60
ctgagagcgt cgagtgtcac catgggtatc acgcttgag cttcctaaag gacttcctgg 120
ncngggcntc gcnctgcccg tntccaagan ccggtcggc cccaatcgag aggncaaaanc 180
tgntgntgaa ggtgcnagan ncnagnaac angtnaantc ttangaagnn ntacaaaggg 240
gtnnattant tttttggtan nattccnnan gancaaggnt ttcctttcnt nttgnagggt 300
nancntggca angtnattcc ttaatttccc aaccaangtt ttaantttgg ctttaangg 359

<210> 210
<211> 394
<212> DNA
<213> Homo sapiens

<400> 210
tttttttttt gcattaagtg gtctttattg atgtttcaca ttcagttatt atcaattctt 60
cagttaattg tacaagtatg ataaattatt ttctatttgc tgtgggaatt taaatgtaaa 120
ataaatacaa aatacatgtg tggtttaatg aacactcaat gaagcatctc ttctgaggta 180
ttcctttcag tctggtttta tcccaggatc tttttacttc ccctaggaat agtctattaa 240
accacacaat ggatctgtga acttgtagat caagttcact gtaaactctgt gaacttgtgt 300
tttaattaca ttagacatat tttttgatct catcatataa caccaatata aaaggcaccg 360
cccatgcctc tcaggcacat tgggaccggg cacc 394

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<210> 211
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 211
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 tttactgaag gaatctaggt tgtattttca gtggacaatg ggaataaagc atttctaaag 120
 caccgactgg agaggaaggc aacagagaca aggagagaag ccgagagaca tgtctgcgtg 180
 ctgccacgca tttgagcgat tgctctgtga agagttgtac actgaacact ttcaggggag 240
 gctgtttacc caggcaatgt cctcaaaca gcctgtgccg ggggtgtcctg ga 292

<210> 212
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 212
 aattccgttg ctgtcgtgctg gccaggtaa tttgagcaaa ggccacagtg aactccggcg 60
 tggctgagga aggaggaggc acccacaggc tgctgggagg agagcataag gctcaaaatg 120
 gaaaatcata aatccaataa taaggaaaac ataacaattg ttgatataac cagaaaaatt 180
 aaccagcttc cagaagcaga aagggaatcta cttgaaaatg gatcgggtta tgttggatta 240
 aatgctgctc tttgtggcct catagcaaac agtcttttcc gacgcattctt gaatgtgaca 300
 aaggctcgca tagctgctgg cttaccaatg gcagggatac cttttcttac aacagactta 360
 acttacagat gttttgtaag ttttcctttg aatacagggtg atttggattg tgaaacctgt 420
 accataacac ggagtggact gactgggtctt gttattgggtg gtctataccc tgttttcttg 480
 gctatacctg taaat 495

<210> 213
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 213
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 gttcacctgc agcatggcga ggatgaggct gtggaagacc gtgtactgcg tgtcgtgagg 120
 ggggatcgag tacttcccat tgactattcg aagtttcgct ccatacctcaa aagggtgctg 180
 ccggaagcac agcagggtaca agatgcagcc caggggcccag atatacctgct tctcggcgat 240
 cgggaagttg gaatacaagt ctatgatttc tgggtgttcta tacattgggtg ttgtattcct 300
 cgtgatctga aaaaatacaa acatttcaaa ggaaaagttg catcccacaa acagtatt 358

<210> 214
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 214
 tggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgaggacatc 60
 tggaatgtca ctggtgcca ggtgtacttg agctgtgagg tcatcggaat cccgacacct 120
 gtcctcatct ggaacaaggt aaaaaggggt cactatggag ttcaaaggac agaactcctg 180
 cctggtgacc gggacaacct ggccattcag accgggggtg gccagaaaa gcatgaagta 240
 actggctggg tgctggtatc tcctctaagt aaggaagatg ctggagaata tgagtgccat 300
 gcatccaatt cccaaggaca ggcttcagca tcagcaaaaa ttacagtggg tgatgcctta 360
 catgaaatac cagtgaaaaa aggtgaaggt gccgagctat aaacct 406

<210> 215
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
 <222> 66, 71, 259
 <223> n = A,T,C or G

<400> 215
 aggacatctg gaatgtcact ggtgcccagg tgtacttgag ctgtgaggtc atcggaatcc 60
 cgacanctgt nctcatctgg aacaaggtaa aaaggggtca ctatggagtt caaaggacag 120
 aacttctgcc tgggtgaccgg gacaacctgg ccattcagac ccgggggtggc ccagaaaagc 180
 atgaagtaac tggctgggtg ctgggtatctc ctctaagtaa ggaagatgct ggagaatatg 240
 agtgccatgc atccaattnc caaggacagg cttcagcatc agcaaaaatt acagtgggtg 300

<210> 216
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 216
 ttcaaaagct tagagagaat aagcttcttg gtggtgaaat acaactctca cgtgtgctcc 60
 agttctaaaa ttaacctgtg cctgggtctct gaagcccttt cttgctctgt gccttttcagc 120
 cacatcctta ggtgctaacg gccatgagct ccgactctcc aaagtgagct ccactttggg 180
 tctgaggagc ccctggcaga gtccacgctg cctcagggtat catgggcgta at 232

<210> 217
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 217
 ataagcttct tgggtggtgaa actacaactc tcacgtgtgc tccagttcta aaattaacct 60
 gtgcctggtc tctgaagccc tttcttgctc tgtgcctttc agccacatcc ttaggtgcta 120
 acggccatga gctccgactc tccaaagtga gctccacttt gggctctgagg agcccctggc 180
 agagtccacg ctgcctcagg tatcatgggc gtaatgatca cccagggtcc gggagatctc 240
 atggatgatt actgtatgag acagagggga cttcagttct tccagggcct tgggtggaatt 300
 tttggctctg gtgttttcgc cagacaataa acttacactg gaagctttga ttcaccctcc 360
 acagtactcc agaaaggact gtccataaag ttgtacactt taaaagggtca tgtagaggtt 420
 gtagtagaat ggcttttcac cctggtgact ttg 453

<210> 218
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 218
 agatgtgtga gaagtgcccc acctgcccgg atgcatgcag caccaagaga gattgcgtcg 60
 agtgctgtgt gctccactct gggaaacctg acaaccagac ctgccacagc ctatgcaggg 120
 atgaggtgat cacatgggtg gacaccatcg tgaaagatga ccaggaggct gtgctatgtt 180
 tctacaaaac cgccaaggac tgcgtcatga tgttcaccta tgtggagctc cccagtggga 240
 agtccaacct gaccgtctc agggagccag agtggtgaaa caccaccaac gccatgacca 300
 tcctcctggc tgtgggtcgg agcctcctcc ttgttgggct tgcactcctg gctatctgga 360
 agctgcttgt caccatccac gaccggaggg agtttgcaaa gtttcagagc gagcgatcca 420
 gggcccgcta tgaaatggct tcaaattctat tatacagaaa gcctatctcc acgcacactg 480
 tggacttcac cttcaacaag ttcaacaaat cctacaatgg 520

<210> 219
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 219
 agatgtgtga gaagtgcccc acctgcccgg atgcatgcag caccaagaga gattgcgtcg 60

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agtgcctgct gctccactct gggaaacctg acaaccagac ctgccacagc ctatgcaggg 120
atgaggtgat cacatgggtg gacaccatcg tgaaagatga ccaggaggct gtgctatgtt 180
tctacaaaac cgccaaggac tgcgatcatga tgttcaccta tgtggagctc cccagtggga 240
agtccaacct gaccgtcctc agggagccag agtgtggaaa ccccccaac gccatgacca 300
tcctcctggc tgtgggtcgg agcctcctcc ttgttgggtg tgcaactcctg gctatctgga 360
agctgcttgt caccatccac gaccggaggg agtttgcaaa gttt 404

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<210> 220
 <211> 80
 <212> DNA
 <213> Homo sapiens

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<400> 220
atggcttcaa atccattata cagaaagcct atctccacgc aactgtgga cttcaccttc 60
aacaagttca acaaatccta 80

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<210> 221
 <211> 607
 <212> DNA
 <213> Homo sapiens

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<400> 221
tgccccacct gcccggtatgc atgcagcacc aagagagatt gcgtcgagt cctgctgctc 60
cactctggga aacctgacaa ccagacctgc cacagcctat gcagggatga ggtgatcaca 120
tggttgga caatcgatga agatgaccag gaggtgtgtc tatgtttcta caaaaccgcc 180
aaggactgcg tcatgatgtt cacctatgtg gagctcccca gtgggaagtc caacctgacc 240
gtcctcaggg agccagagtg tggaaacacc cccaacgcca tgaccatcct cctgggtgtg 300
gtcggtagca tcctccttgt tgggcttgca ctctggcta tctggaagct gcttgtcacc 360
atccacgacc ggagggagt tgc aaagt ttcagagcgc gatccagggc ccgctatgaa 420
atggcttcaa atccattata cagaaagcct atctccacgc aactgtgga cttcaccttc 480
aacaagttca acaaatccta caatggcact gtggactgat gtttccttct ccgaggggct 540
ggagcgggga tctgatgaaa aggtcagact gaaacgcctt gcacggctgc tgggcttgat 600
cacaact 607

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<210> 222
 <211> 583
 <212> DNA
 <213> Homo sapiens

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<400> 222
ggtatgtgcc atcacaagca gatgtggcag tatttgaagc cgtgtccagc ccaccgcctg 60
ccgacttggt tcatgcccta cgttggtata atcacatcaa gtcttacgaa aaggaaaagg 120
ccagcctgcc aggagtgaag aaagcttttg gcaaataatg tcctgccgat gtggaagaca 180
ctacaggaag tggagctaca gatagtaaag atgatgatga cattgacctc tttggatctg 240
atgatgagga ggaaagtga gaagcaaaga ggctaaggga agaacgtctt gcacaatatg 300
aatcaaagaa agccaaaaaa cctgcacttg ttgccaagtc ttccatctta ctatgatgtg 360
aaccttggga tgatgagaca gatatggcga aattagagga gtgcgtcaga agcattcaag 420
cagacggctt agtctggggc tcatctaaac tagttccagt gggatacgga attaagaaac 480
ttcaaataca gtgtgtagt gaagatgata aagttggaac agatatgctg gaggagcaga 540
tcactgcttt tgaggactat gtgcagtcca tggatgtggc tgc 583

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<210> 223
 <211> 296
 <212> DNA
 <213> Homo sapiens

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<400> 223
tacatcgagg ggtatgtgcc atcacaagca gatgtggcag tatttgaagc cgtgtccagc 60
ccaccgcctg ccgacttggt tcatgcccta cgttggtata atcacatcaa gtcttacgaa 120
aaggaaaagg ccagcctgcc aggagtgaag aaagcttttg gcaaataatg tcctgccgat 180
gtggaagaca ctacaggaag tggagctaca gatagtaaag atgatgatga cattgacctc 240

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tttggatctg atgatgagga ggaaagtga aaagcaaaga ggctaagga agaacg 296

<210> 224

<211> 208

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 97

<223> n = A,T,C or G

<400> 224

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gactacatct tggacctgca gatcgccctg gactcgcatc ccactattgt cagcctgcat 60
caccagagac ccgggcagaa ccaggcgcc aggcagcgc tgaccacct caacacggat 120
atcagcatcc tgtccttgca ggcttctgaa ttcccttctg agttaatgtc aaatgacagc 180
aaagcactgt gtggctgaat aagcgggtg 208
```

<210> 225

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 133

<223> n = A,T,C or G

<400> 225

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gcagcggctg gagcggcaga tcagccagga tgtcaagctg gagccagaca tcctgcttcg 60
ggccaagcaa gatttcctga agacggacag tgactcggac ctacagctct acaaggaaca 120
gggtgagggg canggtgacc ggagcctgcg ggagcgtgat gtgctggaac gggagtttca 180
gcgggtcacc atctctgggg aggagaagtg tggggtgccg ttcacagacc tgctggatgc 240
agccaagatg tgggtcgggc gtcttcatcc ggga 274
```

<210> 226

<211> 330

<212> DNA

<213> Homo sapiens

<400> 226

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ggccgccctt tttttttttt tttttttttg ggcccagggg gggccccctt gggaaaaaca 60
cccgggaaac ttcccaaagg ggccttgggg gaattttttt taaaaaaaaa ctttttttta 120
aaaaaaaaact tgggatttaa attttttttc cggccccctt tttgggcggg gtacccaat 180
ttaaaaaagg ggggcttttt aaagggttgg aaaaaaaaaa aattgggggg gcccaaaaaa 240
ttggggggcc ccaaaaaaaa aagcgggggt tggaaaaatt ttgggggggt ttggaaattt 300
gggccccaaa acggggggacc cctttccccc 330
```

<210> 227

<211> 525

<212> DNA

<213> Homo sapiens

<400> 227

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gaatttggcc ctcgaggcca agaattcggc acgaggggtc acatagcaat ttaatcaagt 60
aatggttaat tagttacccc ctatatataa atatatgtaa tcaatttctt caaatagctt 120
gcttacatga taatcaatta gcccaacctg agtcatttag aatagtata aatagaatac 180
acagaatagt gatgaaattc aatttaaaaa atcacgttag cctccaaacc atttaattca 240
aatgaaccca tcaactggat gccaaactct gcgaatgtag gacctctgag tggctgtata 300
attgttaatt caaatgaaat tcatttaaac agttgacaaa ctgtcattca acaattagct 360
ccaggaaata acagttattt catcataaaa cagtccttcc aaacacacaa ttgttctgct 420
```

gaagagttgt catcaacaat ccaatgctca cctattcagt tgctctgtgg tcagtgtggc 480
 tgcataacag tggattccat gaaaggagtc atttttagtga tgagc 525

<210> 228
 <211> 788
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 42, 44, 48, 49, 51, 52, 53, 54, 55, 57, 59, 61, 62, 63, 64,
 68, 69, 70, 71, 73, 74, 75, 76, 77, 79, 80, 83, 87, 89,
 92, 93, 94, 95, 97, 98, 107, 112, 113, 117, 122, 125, 127,
 130, 131, 133, 671, 677, 685, 706, 713, 718, 725, 757, 771
 <223> n = A,T,C or G

<220>
 <221> misc_feature
 <222> 783
 <223> n = A,T,C or G

<400> 228
 gttcacatag caatttaatc aagtaatcat taattagggg gngngggngng nnnnngngnt 60
 nnnngtgnnn ngnnnnngnn ggngtgngng tnnngnngg gaggtgngga anngtntntt 120
 tntgngngan nantagaata cacagaatag tgatgaaatt caatttaaaa aatcacgtta 180
 gcctccaaac catttaattc aaatgaaccc atcaactgga tgccaactct ggcgaatgta 240
 ggacctctga gtggctgtat aattgttaat tcaaataaaa ttcatttaaa cagttgacaa 300
 actgtcattc aacaattagc tccaggaaat aacagttatt tcatcataaa acagtccctt 360
 caaacacaca attgttctgc tgaagagttg tcatcaacaa tccaatgctc acctattcag 420
 ttgctctgtg gtcagtgtgg ctgcataaca gtggattcca tgaaaggagt catttttagtg 480
 atgagctgcc agtccattcc caggccaggc tgctgctggc catccattca gtcgattcag 540
 tcataggcga atctgttctg cccgaagctt gtggtcaagc aaaaattcag ccctgaaaat 600
 cagcacatct gttcgggtgga ctaaaccaca gttagtctgt caagcagcaa cccctgtggc 660
 atgaccgcca ntgggtncat gcgtntgcac tgggagttgg ccaaantccc ggnggtcncg 720
 gggtnntttt tgtgggtttt ttttttttag tcttgnnttt gggtaagtgg nttttttttt 780
 tcnttggg 788

<210> 229
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 229
 gccgagggaa gggcccggca gctgaggagc cgctgagctt gctggacgac atgaaccact 60
 gctactcccg cctgcgggaa ctggtaccgc gagtcccgag aggcactcag cttagccagg 120
 tggaaatcct acagcgcgtc atcgactaca ttctcg 156

<210> 230
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 230
 tacgactcct atagggaatt tggccctcga ggccaagaat tcggcacgag ggtgactttg 60
 gctttgctcg catcatcggc gagaagtcgt tccgcgcgtc agtgggtgggc acgccggcct 120
 acctggcacc cgaggtgctg ctcaaccagg gctacaaccg ctgctggac atgtggtcag 180
 tggcgtgat catgtacgtc agcctcagcg gcaccttccc tttcaacgag gatgaggaca 240
 tcaatgacca gatccagaac gccgccttca tgtaccggc cagcccctgg agccacatct 300
 cagctggagc cattgacctc atcaacaacc tgctgcaggt gaagatgcgc aaacgctaca 360
 gcgtggacaa atctctcagc caccctggt tacaggagta ccagacgtgg ctggacctcc 420

gagagctgga ggggaagatg ggagagcgat acatcacgca tgagagtac gacgcgcgct 480
gggagcagtt tgcagcagag catccgctgc ctgggtctgg gctgcccacg gacagggga 538

<210> 231
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 56, 94, 103, 117, 128, 145, 184, 204, 219
<223> n = A,T,C or G

<400> 231
tggctttgct cgcatacncg gcgagaagtc gtcccgccgc tcagtgggtg gcacgncggc 60
ctacctggca cccgaggtct tgctcaacca gggntacaac cgntcgctcg acatgtngtc 120
agtgggcntg atcatgtacg tcagnctcag cggcaccttc cctttcaacg aggatgagga 180
catnaatgac cagatccaga acgncgactt catgtaccng gccagaccct gg 232

<210> 232
<211> 420
<212> DNA
<213> Homo sapiens

<400> 232
taccgggtccg gaattcccgg gtcgacccac gcgtccggcg tctctgctcc accaaggtgc 60
cctggacatg ctgaccaagg tgatggccct agagctcggg cccacaaga tccgagtga 120
tgcagtaaac cccacagtgg tgatgacgtc catgggccag gccacctgga gtgaccccca 180
caaggccaag actatgctga accgaatccc acttggcaag tttgctgagg tagagcacgt 240
ggtgaacgcc atcctctttc tgctgagtga ccgaagtggc atgaccacgg gttccacttt 300
gccggtggaa gggggcttct gggcctgctg agctccctcc acacacctca agccccatgc 360
cgtgctcatc ctacccccaa tccctccaat aaacctgatt ctgctgcca aaaaaaaaaa 420

<210> 233
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2, 170
<223> n = A,T,C or G

<400> 233
gngtctactg ctccaccaag ggtgccctgg acatgctgac caaggtgatg gccctagagc 60
tcggggccca caagatccga gtgaatgcag taaacccac agtgggtgat acgtccatgg 120
gccaggccac ctggagtacg cccacaagg ccaagactat gctgaaccgn atcccacttg 180
gcaagtttgc tgaggtagag cacgtggtga acgccatcct ctttctgctg agtgaccgaa 240
gtggcatgac cacgggttcc actttgccgg tggaaggggg ttctggggct gctg 294

<210> 234
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 42
<223> n = A,T,C or G

<400> 234
gtctcgggtcc atgactctgg agatccgaga aggaagaggc tntggcctga gaaag 55

<210> 235
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 335, 365, 377, 383, 391
<223> n = A,T,C or G

<400> 235
ttttttgttc atttatattt tntttaagag ctgtgccag ttttatcatc tcacaagaat 60
gaagcaaggg acaaaggtaa gtgccacgct ccctggccac tgggttcctg gcaagctccc 120
agccactagg tgccaatctc ccttcaatgt actccttctt cccagagtg cagaagcgta 180
tgaagacagt tatgacatgg acacatgcat gagctattat acataattac aaaagctgat 240
tctgtcatca ccacatcttg tctcatcagt aggagcgaat ggctggcggg acggtggcac 300
agtcagcctt gttcaaagtt ttgtcgatca cggnccctat attccagagt gacctttccc 360
agtgnccaac gttccanata ggncagggtc ntgc 394

<210> 236
<211> 468
<212> DNA
<213> Homo sapiens

<400> 236
agctcgggat tgggctcgag gacctggaaa ttccagggtg tgagctgcat cgaaggggag 60
cctgggcccg tcaggagcgt cctcttcaac ccagacggct gctgcctgta cagcggctgc 120
caggactcac tgcgtgtcta cggctgggaa cctgagcggg gctttgatgt ggtcctcgtc 180
aactggggca aggtggccga cctggccatc tgcaatgacc agttgatagg tgtggccttc 240
tcccagagca acgtctcctc ctacgtggtg gatctgacgc gtgtcaccag gactggcacg 300
gtggcccggg accctgtgca ggaccaccgg cccctggcac agccactgcc caacccagc 360
gccccctcc ggcgcattcta tgagcggccc agcacaacct gcagcaagcc tcagagggtg 420
aagcagaact cagagagcga gcgcccgcacc cccagcagcg aggatgac 468

<210> 237
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 48, 85, 97
<223> n = A,T,C or G

<400> 237
gacctggaga agttccaggt ggtgagctgc atcgaagggg agcctgggcc cgtcaggagc 60
gtcctcttca acccagacgg ctgcngcctg tacagcngct gccaggactc actgcgtgtc 120
tacggctggg aacctgagcg gtgctttgat gtggtcctcg tcaactgggg caaggtggcc 180
gacctggcca tctgcaatga ccagttgata ggtgtggcct tctcccagag caacgtctcc 240
tcctacgtgg tgga 254

<210> 238
<211> 419
<212> DNA
<213> Homo sapiens

<400> 238
gacccacgcg tccgtcttca acttcttttag tcctcctgag attcctatga ttgggaagct 60

```

ggaaccacga gaagatgcta tcttggatga ggactttgaa attgggcaga ttttacatga 120
taatgtcatc ctgaaatcaa tctattacta tactggagaa gtcaatggta cctactatca 180
at ttggcaaa cattatggaa acaagaaata cagaaaataa gtcaatctga aagatttttc 240
aagaatctta aaatctcaag aagtgaagca gattcatata gccttgaaaa aagtaaaacc 300
ctgacctgta acctgaacac tattattcct tatagtcaag tttttgtggt ttcttggtag 360
tctatatttt aaaaatagtc ctaaaaagtg tctaagtgcc agtttattct atctaggct 419

```

```

<210> 239
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 190
<223> n = A,T,C or G

```

```

<400> 239
gaaccccgcc cgcgccacac gcgctctgctc cacctccagc ttgtacctgc aggatctgag 60
cgccgcccgc tcagagtgcg tcgacccctc ggtgggtcttc cctaccctc tcaacgacag 120
cagctcgccc aagtccctgcg cctcgcaaga ctccagcgcc ttctctccgt cctcggtattc 180
tctgcaactn tcgacggagt cctccccgca gggcagcccc gagccct 228

```

```

<210> 240
<211> 525
<212> DNA
<213> Homo sapiens

```

```

<400> 240
aaccccgccc gcgccacacg cgtctgctcc acctccagct tgtacctgca ggatctgagc 60
gccgcgcct cagagtgcg cgcacctcg gtggtcttcc cctaccctct caacgacagc 120
agctcgccca agtccctgcg ctcgcaagac tccagcgctt tctctccgtc ctcggtattct 180
ctgctctcct cgacggagtc ctccccgcag ggcagccccg agccctggt gctccatgag 240
gagacaccgc ccaccaccag cagcgactct gaggaggaac aagaagatga ggaagaaatc 300
gatgttgttt ctgtggaaaa gaggcaggct cctggcaaaa gggtcagagtc tggatcacct 360
tctgctggag gccacagcaa acctcctcac agccactgg tcctcaagag gtgccacgtc 420
tccacacatc agcacaacta cgcagcgct cctccactc ggaaggacta tctgctgcc 480
aagagggtca agttggacag tgtcagagtc ctgagacaga tcagc 525

```

```

<210> 241
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<400> 241
tggaaggaac tggctctgctc acacttgctg gcttgcgcat caggactggc tttatctcct 60
gactcacggt gcaaagggtgc actctgcgaa cgttaagtcc gtcccagcgc ttggaatcct 120
acggccccca cagccggatc cctcagcct tccaggtcct caactccgc ggacgctgaa 180
caatggcctc catggggcta caggtaatgg gcctcgcgct ggccgtcctg ggctggctgg 240
ccgtcatgct gtgctgcgcg ctgcccattg ggcgcgtgac ggccttcac ggcagcaaca 300
ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgcgtggtg cagagcaccg 360
gccagatgca gtgcaagggtg tacgacttgc tgctggcact gccgcaggac ctgcaggcgg 420
cccgcgcct cgtcatcatc agcatcatcg ttgctgctct gggcgtgctg ctgtccgtgg 480
tggggggcaa gtgtaccaac tgccctggagg atgaaagcgc caaggccaag accatgatcg 540
tggcgggcgt gg 552

```

```

<210> 242
<211> 519
<212> DNA
<213> Homo sapiens

```

<400> 242
 tggaaggaac tgggtctgctc acacttgctg gcttgcgcat caggactggc tttatctcct 60
 gactcacggt gcaaagggtgc actctgcgaa cgtaaagtcc gtcccagcgc ttggaatcct 120
 acggccccca cagccggatc ccctcagcct tccaggctcc caactcccgc ggacgctgaa 180
 caatggcctc catggggcta caggtaatgg gcatcgcgct ggccgtcctg ggctggctgg 240
 ccgtcatgct gtgctgcgcg ctgccatgt ggcgcgtagac ggcccttcac ggagcaaca 300
 ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgctgggtg cagagcaccg 360
 gccagatgca gtgcaagggtg tacgacttgc tgctggcact gccgcaggac ctgcaggcgg 420
 cccgcgccct cgtcatcatc agcatcatcg ttgctgctct gggcggtgctg ctgtccgtgg 480
 tggggggcaa gtgtaccaac tgccctggagg atgaaagcg 519

<210> 243
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 64, 187, 195
 <223> n = A,T,C or G

<400> 243
 aggttctctca tctgctcgcg aggatgcctt ttctcttctg ccttgcgaaa taacagcagc 60
 ctanctgttg cccgtgacca gtgagaaagg cagcgctcacg ggctgattag gtttcaccca 120
 aagggtgccg gcgccgaatt ggtttctaac gagaactttt aaaatgatcc gttccaaaaa 180
 agggtangag ccgcagacc ctccaactgc ccagagaaaa caagtctcgt ctggcaaaat 240
 tctcggccca cgcggtccgc ggccaagggg caaaggctct cgccccacgt tgccga 296

<210> 244
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 244
 cttgcccatg gcgaattgtg gatgactgtg gtggggcctt tacgatgggt accattgggtg 60
 gtggtatctt tcaagcaatc aaagggttttc gcaattctcc agtgggagta aaccacagac 120
 tacgagggag tttgacagct attaaaaacca gggctccaca gttaggaggt agctttgcag 180
 tttggggagg gctgttttcc atgattgact gtagtatggt tcaagtcaga ggaaaggaag 240
 atccctggaa ctccatcaca agtggtgcct taa 273

<210> 245
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 245
 ttcgaattcg gcacgaggct cgatgtacgt cccggaggac ctcttcccg tctacaaaga 60
 aaaagtgggt cgcgttgacg acattatcac gcccaaccag tttgaggccg agttactgag 120
 tggccggaag atccacagcc aggaggaagc cttgcgggtg atggacatgc tgcactctat 180
 gggccccgac accgtggtca tcaccagctc cgacctgcc tccccgcagg gcagcaacta 240
 cctgattgtg ctggggagtc agaggaggag gaatcccgt ggctccgtgg tgatggaacg 300
 catccggatg gacattcgca aagtggacgc cgtctttgtg ggcaactggg acctgtttgc 360
 tggcatgctc ctggcgtgga cacaca 386

<210> 246
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 246
 tttttttttt caaaaaagtc atggaggcca tgggggttggc ttgaaaccag ctttgggggg 60

ttcgattcct tccttttttg cctaaatttt atgtatacgg gttcttcaaa tgtgtggttag 120
 ggtggggggc atccatatag tcactccagg tttatggagg gttcttctac tattaggact 180
 tttcgcttca aagcgaaggc ttctcaaadc atgaaaatta ttaatattac tgctgttaa 239

<210> 247
 <211> 623
 <212> DNA
 <213> Homo sapiens

<400> 247
 aaaaagtcac ggaggccatg gggttggcctt gaaaccagct ttgggggggtt cgattccttc 60
 cttttttgtc tagattttat gtatacgggt tcttcgaatg tgtggtaggg tggggggcat 120
 ccatatagtc actccagggt tatggagggt tcttctacta ttaggacttt tcgcttcgaa 180
 gcgaaggcct ctcaaatcat gaaaattatt aatattactg ctgttagaga aatgaatgag 240
 cctacagatg ataggatgtt tcatgtggtg tatgcatcgg ggtagtccga gtaacgtcgg 300
 ggcattccgg ataggccgag aaagtgttgt ggaagaaaag ttagatttac gccgatgaat 360
 atgatagtga aatggatttt ggcgtagggt tgggtctaggg tgtagcctga gaatagggga 420
 aatcagtga tgaagcctcc tatgatggca aatacagctc ctattgatag gacatagtgg 480
 aagtgagcta caacgtagta cgtgtcgtgt agtacgatgt ctagtgatga gtttgctaata 540
 acaatgccag tcaggccacc tacgggtgaa agaaagatga atcctagggc tcagagcact 600
 gcagcagatc atttcatatt gct 623

<210> 248
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 248
 ggcttagcgg ataacaattt cacacaggag ttgcaccata atcatcgcta tccccaccgg 60
 cgtcaaagta ttttagctgac tcgccacact ccacggaagc aatatgaaat gatctgctgc 120
 agtgctctga gccctaggat tcatctttct tttcaccgta ggtggcctga ctggcattgt 180
 attagcaaac tcatcactag acatcgtact acacgacacg tactacgttg tagctcactt 240
 ccactatgtc ctatcaatag gagct 265

<210> 249
 <211> 625
 <212> DNA
 <213> Homo sapiens

<400> 249
 aatcatcgct atccccaccg gcgtcaaagt atttagctga ctgccacac tccacggaag 60
 caatatgaaa tgatctgctg cagtgtctct agccctagga ttcattcttc ttttcaccgt 120
 aggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgta tacacgacac 180
 gtactacgtt gtagctcact tccactatgt cctatcaata ggagctgtat ttgccatcat 240
 aggaggcttc attcactgat ttcccctatt ctgaggctac accctagacc aaacctacgc 300
 caaaatccat ttcactatca tattcatcgg cgtaaatcta actttcttcc cacaacactt 360
 tctcggccta tccggaatgc cccgacgtta ctcgactac cccgatgcat acaccacatg 420
 aaacatccta tcatctgtag gtcattcat ttctctaaca gcagtaatat taataatttt 480
 catgatttga gaagccttcg cttcgaagcg aaaagtccta atagtagaag aacctccat 540
 aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aacctgtata 600
 cataaaatct agacaaaaaa ggaag 625

<210> 250
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 250
 ggcttgtaac acgactcact atagggcttt ttttttttca aaaaagtcac ggaggccatg 60
 gggttggcct gaaaccagct ttgggggggtt cgattccttc cttttttgtc taaattttat 120
 gtatacgggt tcttcaaatg tgtggtaggg tggggggcat ccatatagtc actccagggt 180

tatggagggt tcttctacta ttaggacttt tcgcttcaaa gcgaaggctt ctcaaatacat 240
gaaaattatt aat 253

<210> 251
<211> 290
<212> DNA
<213> Homo sapiens

<400> 251
caaactcatc actagacatc gtactacacg acacgtacta cgttgtagct cacttccact 60
atgtcctatc aataggagct gtatttgcca tcataggagg cgtcattcac tgatttcccc 120
tattctcagg ctacacccta gaccaaacct acgccaataat ccatttccact atcatattca 180
tcggcgtaaa tctaactttc ttcccacaac actttctcgg cctatccgga atgccccgac 240
gttattcgga ctaccccgat gcatacacca catgaaacat cctatcatct 290

<210> 252
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 522, 634, 636
<223> n = A,T,C or G

<400> 252
atattttacag taggaataga cgtagacaca cgagcatatt tcacctccgc taccataatc 60
atcgctatcc ccaccggcgt caaagtattt agctgactcg ccacactcca cggaagcaat 120
atgaaatgat ctgctgcagt gctctgagcc ctaggattca tctttctttt caccgtaggt 180
ggcctgactg gcattgtatt agcaaactca tcactagaca tcgtactaca cgacacgtac 240
tacgtttagt ctcaattcca ctatgtccta tcaataggag ctgtatttgc catcatagga 300
ggcttcattc actgatttcc cctattctca ggctacaccc tagaccaaac ctacgccaaa 360
atccatttca ctatcatatt catcggcgta aatctaactt tcttcccaca acactttctc 420
ggcctatccg gaatgccccg acgttattcg gactaccccg atgcatacac cacatgaaac 480
atcctatcat ctgtaggtc attcatttct ctaacagcag tnatattaat aattttcatg 540
atgtgagaag ccttcgcttc gaagcgaaaa gtcctaatag tagaagaacc cttcataaac 600
ctggagtgc tatatggatg cccccaccc tacnanca 638

<210> 253
<211> 531
<212> DNA
<213> Homo sapiens

<400> 253
ggcttagcgg ataacaattt cacacaggag ttgcaccata tatttacagt aggaatagac 60
gtagacacac gagcatattt cacctccgct accataatca tcgctatccc caccggcgctc 120
aaagtattta gctgactcgc cacactccac ggaagcaata tgaaatgatc tgctgcagtg 180
ctctgagccc taggattcat ctttcttttc accgtaggtg gcctgactgg cattgtatta 240
gcaaactcat cactagacat cgtactacac gacacgtact acgttgtagc tcacttccac 300
tatgtcctat caataggagc tgtatttggc atcataggag gcttcattca ctgatttccc 360
ctattctcag gctacaccct agaccaaac tacgccaaa tccatttcac tatcatattc 420
atcggcgtaa atctaacttt cttcccacaa cactttctcg gcctatccgg aatgccccga 480
cgttactcgg actaccccgat tgcatacacc acatgaaaca tcctatcatc t 531

<210> 254
<211> 625
<212> DNA
<213> Homo sapiens

<400> 254
atattttacag taggaataga cgtagacaca cgagcatatt tcacctccgc taccataatc 60


```

atcgcctatcc ccaccggcgt caaagtatatt agctgactcg ccacactcca cggaagcaat 120
atgaaatgat ctgctgcagt gctctgagcc ctaggattca tctttctttt caccgtaggt 180
ggcctgactg gcattgtatt agcaaactca tcaactagaca tcgtactaca cgacacgtac 240
tacgtttgtag ctcaattcca ctatgtccta tcaataggag ctgtatttgc catcatagga 300
ggcttcattc actgatttcc cctatttcta ggctacaccc tagaccaaac ctacgccaaa 360
atccatttca ctatcatatt catcggcgta aatctaactt tcttcccaca acactttctc 420
ggcctatccg gaatgccccg acgttactcg gactaccccg atgcatacac cacatgaaac 480
atcctatcat ctgtaggctc attcatttct ctaacagcag taatattaat aattttcatg 540
atgtgagaag tcttcgcttc gaagcgaaaa gtcctaatag tagaagaacc cttcataaac 600
ctggagtgc tatatggatg ccccc 625

```

<210> 255

<211> 217

<212> DNA

<213> Homo sapiens

<400> 255

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tttttttttt taaaaagtca tggaggccat ggggttggct tgaaaccacc tttgggggggt 60
tcaatccctt ccttctttgt ctaaatttta tgtatacggg ttcttcaaatt gtgtggtagg 120
gggggggggca tccatatagc ccctccaggt ttatggaggg ttcttctact attagaactt 180
ttcccttcaa agcaaaggct tctcaaatac tgaaaat 217

```

<210> 256

<211> 636

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 496, 562, 564, 605, 635

<223> n = A,T,C or G

<400> 256

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aaagtcattg aggccatggg gttggcttga aaccagcttt ggggggttcg attccttcct 60
tctttgtcta gattttatgt atacgggttc ttcgaaatgt tggtaggggtg gggggcatcc 120
atatagtcac tccaggttta tggagggttc ttctactatt aggacttttc gcttcgaagc 180
gaaggcttct caaatcatga aaattattaa tattactgct gttagagaaa tgaatgagcc 240
tacagatgat aggatgtttc atgtggtgta tgcacggggg tagtccgagt aacgtcgggg 300
cattccggat aggccgagaa agtggtgtgg gaagaaagtt agatttacgc cgaatgaat 360
gatagtgaat tggatttttg cgtagggttg gtctagggtg tagcctgaga ataggggaaa 420
tcagtgaatg aagcctccta tgatggcaaa tacagtcctt attgatagga catagtggaa 480
gtgagctaca acgtantacg tgtcgtgtag tacgatgtct agtgatgagt ttgctaatac 540
aatgccagtc aggccaccta cngngaaaaa gaaagatgaa tcctagggtc caaaacacct 600
gcacnagatc atttcatatt ggcttccgtg gagtnc 636

```

<210> 257

<211> 279

<212> DNA

<213> Homo sapiens

<400> 257

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ggcttagcgg ataacaattt cacacaggag ttgcaccata atcatcgcta tccccaccgg 60
cgtcaaagta tttagctgac tcgccacact ccacggaagc aatatgaaat gatctgctgc 120
agtgtcttga gccctaggat tcatctttct ttccaccgta ggtggcctga ctggcattgt 180
attagcaaac tcatcactag acatcgtact acacgacacg tactacgttg tagctcactt 240
ccactatgtc ctatcaatag gagctgtatt tgccatcat 279

```

<210> 258

<211> 623

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 537
 <223> n = A,T,C or G

 <400> 258
 aatcatcgct atccccaccg gcgtcaaagt atttagctga ctcgccacac tccacggaag 60
 caatatgaaa tgatctgctg cagtgtctctg agccctagga ttcattcttc ttttcaccgt 120
 aggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgtae tacacgacac 180
 gtactacgtt gtagctcact tccactatgt cctatcaata ggagctgtat ttgccatcat 240
 aggaggcttc attcactgat ttcccctatt ctgaggctac accctagacc aaacctacgc 300
 caaaatccat ttcactatca tattcatcgg cgtaaactta actttcttcc cacaacactt 360
 tctcggccta tccggaatgc cccgacgtta ctcggaactac cccgatgcat acaccacatg 420
 aaacatccta tcatctgtag gctcattcat ttctctaaca gcagtaatat taataatttt 480
 catgatttga gaagccttcg cttcgaagcg aaaagtccta atagtagaag aacctnecat 540
 aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aacctgtata 600
 cataaaatct agacaaaaaa gga 623

<210> 259
 <211> 189
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 170, 173
 <223> n = A,T,C or G

<400> 259
 tggcctttcc cccttcatgg gagacaacga taacgaaacc ttggccaacg ttacctcagc 60
 cacctgggac ttcgacgacg aggcattcga tgagatctcc gacgatgcc aaggatttcat 120
 cagcaatctg ctgaagaaaag atatgaaaaa ccgcctggac tgcacgcagn ctntcagcat 180
 ccatggcta 189

<210> 260
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 260
 cctttccccc ttcattgggag acaacgataa cgaaaccttg gccaacgtta cctcagccac 60
 ctgggacttc gacgacgagg cattcgatga gatctccgac gatgccaaagg atttcatcag 120
 caatctgctg aagaaagata tgaaaaaccg cctggactgc acgcagtgcc ttcagcatcc 180
 atggctaatt aaagatacca agaactgga ggccaagaaa ctctccaagg accggatgaa 240
 gaagtacatg gcaagaagga aatggcagaa aacgggcaat gctgtgagag ccattggaag 300
 actgtcctct atggcaatga tctcagggtc cagtggcagg aaatcctcaa cagggtcacc 360
 aaccagcccc ctcaatgcag aaaaactaga atctgaagaa gatgtgtccc aagctttcct 420
 tgaggctgtt gctgaggaaa agcctcatgt aaaaccctat ttctctaaga ccattcgcga 480
 tttagaagtt gtggaggga gtgctgc 507

<210> 261
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 261
 tttttttttt tttttttttt ttttttgcc gagactccaa gactattatt tttatttccg 60
 gacaaaaaca tctgcttcac acagtgcacg gcatcaaatg aagaggaaa aactgtatc 120
 ccaaagcctg gctttctgta tcatccacaa attaagacag catctgctga gccatgctg 180
 agcctgtcac agt 193

<210> 262
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 183, 184, 185, 193
 <223> n = A,T,C or G

<400> 262
 cccacttccc caggagcagg ccacagaccc ccttgtggac agcctgggca gtggcattgt 60
 ctactcagcc cttacctgcc acctgtgagg ccacctgaaa cagtgtcatg gccaggagga 120
 tgggtggccag acccctgtca tggccagtcc ttgtgtggc tgcgtgtgtg gagacaggtc 180
 ctnnncccc acnccccccc tgagggcccc agacccctct ccaggtgggg ttcca 235

<210> 263
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 263
 agaatttcag cagttctctg atttttatat ttatttcctc ttcctatcca atccctgcct 60
 tttgagtcca ggtggtaagt acattttctt taacgttttt cctgcttttc ttcccaaatg 120
 tgtctttttc tttgggctac tgtacctgc ttcagtgct gtccccggca taggtccatc 180
 tctgcagaag ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag 240
 cgaaatgggc acaccacagg gagaaaactg cttgtcctgg atgtttgaaa agtcgggtcg 300
 tgtcatgggtg tgttacttca tctatctat cattaactcc atggcacaaa gttatgccaa 360
 acgaatccag cagcgggtga actcagagga gaaaactaaa taagtagaga aagtttttaa 420
 ctgcagaaat tggagtggat gggttctgac ttatattggg aggactccaa gccgggaagg 480
 aaaattccct ttt 493

<210> 264
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 264
 agaatttcag cagttctctg atttttatat ttatttcctc ttcctatcca atccctgcct 60
 tttgagtcca ggtggtaagt acattttctt taacgttttt cctgcttttc ttcccaaatg 120
 tgtctttttc tttgggctac tgtacctgc ttcagtgct gtccccggca taggtccatc 180
 tctgcagaag ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag 240
 cgaaatgggc acaccacagg gagaaaactg gttgtcctgg atgtttgaaa agtcgggtcg 300
 tgtcatgggtg tgttacttca tctatctat cattaactcc atggt 345

<210> 265
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 265
 tagaagagct aacctcacac tcatccact ctaaactatg tgattcaaca ctgattttac 60
 atccaacaaa gtgaaatctt gatagttggg tgtaaaaagg agagtaatgg agatttcaga 120
 gtagttgggg ttgcttactt ttcatTTTTA attctttagg ttttgtaagt tacacacttc 180
 aagcattata gatgatcctc tttttactac tgaactaatg aagccttttt cattgcattg 240
 ttctgcattt atttctacag ggagaaaact ggttgcctcg gatgtttgaa aagttgggtcg 300
 ttgtcatgggt gtgttacttc atcctatcta tcattaactc catggcacaa agttatgcca 360
 aacgaatcca gcag 374

<210> 266

<211> 360
 <212> DNA
 <213> Homo sapiens

<400> 266
 tttttttttt tttttttttg tgcggtggga attctctaatt tgtatcatgt gggcctttttg 60
 aaagtaacaa acagaaggcc agtctgctgc aagtttgctg ctgaacatca cattccaccc 120
 taagaaaaca caaggtggat tgcacgagg gtggatacct taccttagca cggaaggaaa 180
 aagtatgtca gtgcaaagta tggactaaac tgctttcagg aaaaaagttg taaaaattga 240
 tacaggttgg aaaagggaat tttccttccc ggcttggagt cctcccaatt taaggcagaa 300
 cccatccact ccaattttctg cagtttataaa ctttctctac ttatttagtt ttctcctctg 360

<210> 267
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 267
 ctggaattgt catcttttga acagtgattg caacagcact tatgggattg acagagaaaac 60
 tgattttttc cctgagagat cctgcataca gtacattccc gccagaagggt gttttcgtaa 120
 atacgcttgg ccttctgacg ctggtgttcg gggccctcat tttttggata gtcaccagac 180
 cgcaatggaa acgtcctaag gagccaaatt ctaccattct tcatccaaat ggaggcatga 240
 acaggga 247

<210> 268
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 268
 taatggattt gtttggagat ggcattgttg tagacgactg aatatggaaa ggatatcaag 60
 ttatctatct tgtaattttt atttttgttt tttatcatct agatttttat catggattag 120
 tctgaaatct aaagttcttg ccagtcggtt ttctttcatc ttgtagtatt tacagtattt 180
 ccactgtgca tatgcaaaat gggatttaca taactgtatc atattttggt ttgataattt 240
 tttttttttt ttggaaaacg gtttttgttt tggcccagcc caaaaacatc ccttggttac 300
 cccttcgggg gaaaaaaaac caaacccctt tttcggggaa aaaaaaaggg 350

<210> 269
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 81, 195, 231, 247, 298, 307, 317, 395, 427, 446, 451
 <223> n = A,T,C or G

<400> 269
 ttttttttaa atcaaagagt agttttattaa aaaaggaatc aaacaggaaa ctctaagtac 60
 cagtgtgtac attgtacaat nttaaatgac tcacgagaat gaagtttttt tcaaataatat 120
 taagatcaca ccaccttggt gtttatcgaa agatattcaa ggagaaagat ctgactctcc 180
 aaactgcatc tgagnattgc cacttttaaac aggacctcat ttcaaacatg ncaacaacgc 240
 cactggntaa taaaggcttt gggaatgggg tgctcattct attatttcac taaaaacngc 300
 atagganagg caggagnagt tggggaattt attctaaaaat aggaatggga gggttgtcca 360
 tctacagcag gcactccttc acttccctctg tttgnccttt ttaggcagta ctcccttggtc 420
 ggtcttngaa cggtttttcca accctnttca ntggg 455

<210> 270
 <211> 444
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 17, 20, 391, 430

<223> n = A,T,C or G

<400> 270

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ttttctgacg tctgtttnctn aggctggaag aaatgagcag aaaacaaggg atgagtactt 60
tttagagtat gtgcatgtta cgtaatacct gtttctgggc aatgctgctt cttctgactc 120
aacaaatggg gagagcaaat tgaaaatgcg taaattggaa ggcaagttct gaaattaaac 180
gttgactttt ggcctgatgt tctgaccttt aaggaagcaa gagtttgtaa acttccaaat 240
atttactatt ctgaactgcc gtgtaaacct gacgtattcc caagtcaaca taccagtata 300
ccaataggat gtgaataatg tttgtgttga gtttaaaacc atagcagttt tgctctggca 360
agtaatggaa agcgttctcg cttcctgagt ntgagctcca gcagactgca gaggggccag 420
tgccacagtn gtagcctgac tttc 444
```

<210> 271

<211> 502

<212> DNA

<213> Homo sapiens

<400> 271

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ggttctgcgc tggtcggcgg agtagcaagt ggccatgggg agcctcagcg gtctgcgcct 60
ggcagcagga agctgtttta ggttatgtga aagagatggt tcctcatctc taaggcttac 120
cagaagctct gatttgaaga gaataaatgg attttgcaca aaaccacagg aaagtcccgg 180
agctccatcc cgcacttaca acagagtgcc ttacacaaa cctacggatt ggcagaaaaa 240
gatcctcata tggtcaggtc gcttcaaaaa ggaaggtgaa atcccagaga ctgtctcggt 300
ggagatgctt gatgctgcaa agaacaagat gcgagtgaag atcagctatc taatgattgc 360
cctgacgggtg gtaggatgca tcttcattgt tattgagggc aagaaggctg cccaagaca 420
cgagacttta acaagcttga acttagaaaa gaaagctcgt ctgaaagagg aagcagctat 480
gaaggccaaa acagagtagc ag 502
```

<210> 272

<211> 377

<212> DNA

<213> Homo sapiens

<400> 272

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ggttctgcgc tggtcggcgg agtagcaagt ggccatgggg agcctcagcg gtctgcgcct 60
ggcagcagga agctgtttta ggttatgtga aagagatggt tcctcatctc taaggcttac 120
cagaagctct gatttgaaga gaataaatgg attttgcaca aaaccacagg aaagtcccgg 180
agctccatcc cgcacttaca acagagtgcc ttacacaaa cctacggatt ggcagaaaaa 240
gatcctcata tggtcaggtc gcttcaaaaa ggaaggtgaa atcccagaga ctgtctcggt 300
ggagatgctt gatgctgcaa agaacaagat gcgagtgaag atcagctatc taatgattgc 360
cctgacgggtg gtaggaa 377
```

<210> 273

<211> 552

<212> DNA

<213> Homo sapiens

<400> 273

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agctcggaaat tcggctcgag tctgctcagc ctggtgaacc cacaggcccg agtttcaccc 60
agtcccact ccacggtgca gctgcggctt atctctcagc ccagcgagat gccagccttc 120
ctgtcccggg ccagcgtctt gacatgcaga aggtgacctt gggcctgctt gtgttccctg 180
caggcctttc tgtcctggac gccaatgacc tagaagataa aaacagtcct ttctactatg 240
actggcacag cctccagggt ggccgggtca tctgcgctgg ggttctgtgc gccatgggca 300
tcatcatcgt catgagtgca aaatgcaaat gcaagtttgg ccagaagtcc ggtcaccatc 360
caggggagac tccacctctc atcacccag gctcagccca aagctgatga ggacagacca 420
gctgaaattg ggtggaggac cgttctctgt ccccggtcc tgtctctgca cagaaacttg 480
```

```

aactccagga tggaattctt cctcctctgc tgggactcct ttgcatggca gggcctcatc 540
tcacctctcg ca 552

<210> 274
<211> 186
<212> DNA
<213> Homo sapiens

<400> 274
ctgctcagcc tgggtgaacac acagcccgat ttacccagtc cccactccag gtgcagctgc 60
ggcttatctc tcagcccagc gagatgccag ccttcctgtc ccgggccagc gctctgacat 120
gcagaagggtg accctggggc tgcttgtgtt cctggcaggc tttcctgtcc tggacgccaa 180
tgacct 186

<210> 275
<211> 121
<212> DNA
<213> Homo sapiens

<400> 275
tctgctcagc ctggtgaacc acacaggccc gagtttcacc cagtccccac tccacgggtgc 60
agctgcggct tatctctcag cccagcgaga tgccagcctt cctgtcccgg gccagcgctc 120
t 121

<210> 276
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 336
<223> n = A,T,C or G

<400> 276
agggaccgc agctcagcta cagcacagat cagcaccatg aagcttctca cgggcctggg 60
tttctgctcc ttggtcctga gtgtcagcag ccgaagcttc ttttcgttcc ttggcgaggc 120
ttttgatggg gctcgggaca tgtggagagc ctactctgac atgagagaag ccaattacat 180
cggctcagac aaatacttcc atgctcgggg gaactatgat gctgccaaaa ggggacctgg 240
gggtgcctgg gccgcagaag tgatcagcaa tgccagagag aatatccaga gactcacagg 300
ccatggtgcg gaggactcgc tggccgatca ggctgn 336

<210> 277
<211> 460
<212> DNA
<213> Homo sapiens

<400> 277
tgcagacgga ggtcaggtct tcctctttcc tgagactgga tctgttcaaa cagcaaacgc 60
ccacagatgg cccagaggtg gtggtagtca ggggtgtgtg gtgttttttag ggttcttttag 120
tggtgtttct ttcacccagg ggtggtgggc ccagccagtt tgggtgctgac ggtgagagga 180
aattagaatc tgtttgcaaa ttgtccaacc cccccctca acatgagggg cttccatttt 240
ctgtgttttg taagggaact gtttccttca tgccgccatg ttcttgatat tagttctgat 300
ttctttttta caaatgttat catgattaag aaaattttcca gcactttaat ggccaattaa 360
ctgagaatgt aagaaaattg atgctgtaca aggcaaataa agctgtttat taaccttgaa 420
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttttgggg 460

<210> 278
<211> 432
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 46, 151, 350, 362, 383, 403, 417
 <223> n = A,T,C or G

<400> 278
 ggggttgcag acggagggtca ggtcttcctc tttcctgaga ctgganctgt tcaaacagca 60
 aacgcccaca gatggcccag aggtgggtgt agtcagggtg tgtgggtgtt tttagggttc 120
 tttagtgttg tttctttcac ccagggtgtg ntgggtcccag ccagtttggt gctgacggtg 180
 agaggaaatt agaattctgt tgcaaattgt ccaacccacc ccctcaacat gaggggcttc 240
 cattttctgt gttttgtaag ggaactgttt ccttcattgcc gccatgttcc tgatattagt 300
 tctgatttct ttttaacaaa tgttatcatg attaagaaaa tttccagcan ttaatgggcc 360
 anttaactga gaatgtaaga aantgatgct gttacaaggc aantaaagcc gttttantta 420
 accctgaaaa aa 432

<210> 279
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 279
 acgtgacgcg gggccaggcg gccgtacagc agctgcaggc ggaggggcctg agcccgcgct 60
 tccaccagct ggacatcgac gatctgcaga gcatccgcgc cctgcgcgac ttcctgcgca 120
 aggagtacgg gggcctggac gtgctggtca acaacacggg catcgcttc aagggtgtgtg 180
 atcccacacc ctttcatatt caagctgaag tgacgatgaa aacaaatttc tctggtaccc 240
 gagatgtgtg cacagaatta ctccctctaa taaaacccca agggagagtgt gtgaacgtac 300
 ctagcatcat gagcgtcaga gcccttaaaa gctgcagccc agagctgcag cagaagttcc 360
 gcagtgcagc catcactgag gaggagctgg tggggctcat gaacaagttt gtggaggata 420
 caaagaagggt agtgcaccag aaggagggtt ggcccagcag cgcatac 467

<210> 280
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 280
 tacggccggg acgtgacgcg gggccaggcg gccgtacagc agctgcaggc ggaggggcctg 60
 agcccgcgct tccaccagct ggacatcgac gatctgcaga gcatccgcgc cctgcgcgac 120
 ttccctgcga aggagtacgg gggcctggac gtgctggtca acaacacggg catcgcttc 180
 aagggtgtgt atcccacacc ctttcatatt caagctgaag tgacgatgaa aacaaatttc 240
 tctggtaccc gagatgtgtg cacagaatta ctccctctaa taaaacccca agggagagtgt 300
 gtgaacgtac ctagcatcat gagcgtcaga gcccttaaaa gctgcagccc agagctgcag 360
 cagaagttcc gcagtgcagc catcactgag gaggagctgg tggggctcat gaacaagttt 420
 gtggaggata caaagaagggt agtgcaccag aaggagggtt ggcccagcag cgcatacggg 480
 gtgacgaaga ttggcgtcac cgttctgtcc aggatccacg ccaggaaact gactgagcag 540
 aggaaagggg acaagatcct cctgaatgcc tgctgcccag ggtgggtgag aactgacatg 600
 gcgggaccca aggccaccaa gagccc 626

<210> 281
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 281
 tggcctgttc ctacgcgagg gcctgaagct agtggataag tttttggagg atgttaaaaa 60
 gttgtaccac tcagaagcct tcaactgtcaa cttcggggac accgaagagg ccaagaaaca 120
 gatcaacgat tacgtggaga aggggtactca agggaaaatt gtggatttgg tcaaggagct 180
 tgacagagac acagtgtttg cctgggtgaa ttacatcttc tttaaaggca aatgggagag 240
 accctttgaa gtcaaggaca ccgaggaaga ggacttccac gtggaccagg cgaccaccgt 300
 gaagggtgct atgatgaagc gtttaggcat gtttaacatc cagcactgta agaagctgtc 360

cagctgggtg ctgctgatga aatacctggg caatgccacc gccatcttct tcctgcctga 420
 tgaggggaaa ctacagcacc tggaaaatga actcaccac gatatcatca ccaagttcct 480
 ggaaaat 487

<210> 282
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 282
 tggcctgttc ctcagcgagg gcctgaagct agtggataag tttttggagg atgttaaaaa 60
 gttgtaccac tcagaagcct tcaactgtcaa cttcggggac accgaagagg ccaagaaaca 120
 gatcaacgat tacgtggaga aggggtactca agggaaaatt gtggatttgg tcaaggagct 180
 tgacagagac acagtttttg ccctggtgaa ttacatcttc tttaaaggca aatgggagag 240
 accctttgaa gtcaaggaca ccgaggaaga ggacttccac gtggaccagg cgaccaccgt 300
 gaaggtgcct atgatgaagc gtttaggcat gtttaacatc cagca 345

<210> 283
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 283
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 ttttgggggg ggccaaattc ccccccaaaa aaaaaaaaaa aggggggggt ttcccccccc 180
 cccctttttt tttttggggg ggtttttttt tttggggggg gccccccccc cttttttttt 240
 tttttggaaa aaaatcccc ctttgggggg ggtttctttt tcccaaaggg agtttttttt 300
 cccccccccc cggggggggg ggggggtttt ttttttttta aaaaaaaaaa ccccggaaaa 360
 aaaaaaaccc cccccccccc cccccccccc aaaaaaaaaa aaggggggaa aaatgggggc 420
 cccccctttt tttttttttt tttttttggg gggggggaaa aaaaaccccc cccccctttt 480
 tggggggggt ttttt 495

<210> 284
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 284
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 ctccgccacc aagcccggca gcagggggca gaggcagtcc aggccagca gcttgcggaa 120
 ggtgccagcg agcaggcatt gagtgccaa gagggatttg agagaataaa acaaaagtat 180
 gctgagttga aggaccggtt gggtcagagt tccatgctgg gtgagcaggg tgcccggatc 240
 cagagtgtga agacagaggc agaggagctg tttggggaga ccatggagat gatggacagg 300
 atgaaagaca tggagttgga gctgctgcgg ggcagccagg ccatcatgct gcgctcagcg 360
 gacctgacag gactggagaa gcgtgtggag cagatccgtg accacatcaa tgggcgcgtg 420
 ctctactatg ccacctgcaa gtgatgctac agcttccagc ccgttgcccc actcatctgc 480
 cgcctttgct tttggttggg ggc 503

<210> 285
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 285
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 ccaggacagg gttgctgagg ttcagcaggt actgcggcca gcagaaaagc tggtgacaag 120
 catgaccaag cagctgggtg acttctggac acggatggag gagctccgcc accaagcccc 180
 gcagcagggg gcagaggcag tccaggcca gcagcttgcg gaaggtgcca gcgacaggc 240
 attgagtgcc caagagggat ttgagagaat aaaacaaaag tatgctgagt tgaaggaccg 300
 gttgggtcag agttccatgc tgggtgagca ggggtgcccg atccagagt tgaagacaga 360

ggcagaggag	ctgtttgggg	agaccatgga	gatgatggac	aggatgaaag	acatggagtt	420
ggagctgctg	cggggcagcc	aggccatcat	gctgcgctca	gcggacctga	caggactgga	480
gaagcgtgtg	gagcagatcc	gtgaccacat	caatgggcgc	gtgctctact	atgccacctg	540
caagtgatgc	tacagcttcc	agcccgttgc	cccactcadc	t		581

<210> 286

<211> 598

<212> DNA

<213> Homo sapiens

<400> 286

agtggcactg	caggaagctc	aggacacccat	gcaaggcacc	agccgctccc	ttcggcttat	60
ccaggacagg	gttgctgagg	ttcagcaggt	actgcggcca	gcagaaaagc	tggtgacaag	120
catgaccaag	cagctgggtg	acttctggac	acggatggag	gagctccgcc	accaagcccc	180
gcagcagggg	gcagaggcag	tccaggccca	gcagcttgcg	gaaggtgccg	gcgagcaggc	240
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gttgggtcag	agttccatgc	tggttgagca	gggtgcccgc	atccagagtg	tgaagacaga	360
ggcagaggag	ctgtttgggg	agaccatgga	gatgatggac	aggatgaaag	acatggagtt	420
ggagctgctg	cggggcagcc	aggccatcat	gctgcgctca	gcggacctga	caggactgga	480
gaagcgtgtg	gagcagatcc	gtgaccacat	caatgggcgc	gtgctctact	atgccacctg	540
caagtgatgc	tacagcttcc	agcccgttgc	cccactcadc	tgccgccttt	gcttttgg	598

<210> 287

<211> 316

<212> DNA

<213> Homo sapiens

<400> 287

ctgcccttca	cctcgcagtg	gacctgcaaa	atcctgacct	ggtgtcactc	ctgttgaaagt	60
gtggggctga	tgtcaacaga	gttacctacc	agggctattc	tccctaccag	ctcacctggg	120
gccgcccaag	cacccggata	cagcagcagc	tgggccagct	gacactagaa	aaccttcaga	180
tgctgccaga	gagtgaggat	gaggagagct	atgacacaga	gtcagagttc	acggagtcca	240
cagaggacga	gctgccctat	gatgactgtg	tgtttggagg	ccagcgtctg	acgttatgag	300
cgcaaagggg	ctgaaa					316

<210> 288

<211> 275

<212> DNA

<213> Homo sapiens

<400> 288

atgattagga	gaagtgggtg	ccacagtcga	aaaatcccaa	ggcccaaacc	tgcaccactg	60
actgctgaaa	tacagcaaaa	gattttgcat	ttgccaacat	cttgggactg	gagaaatgtt	120
catggtatca	attttgtcag	tcctgttcga	aaccaagcat	cctgtggcag	ctgctactca	180
tttgcttcta	tgggtatgct	agaagcgaga	atccgtatac	taaccaacaa	ttctcagacc	240
ccaatcctaa	gccctcagga	ggttgtgtct	tgtag			275

<210> 289

<211> 522

<212> DNA

<213> Homo sapiens

<400> 289

cagaagggaa	caccagagct	ttgctaataa	ttagtgtggt	caagagccgt	ctgagcctaa	60
tgagtcccag	ctgcattagg	ttaagagact	cttcagagc	catcgccagg	tggggaatgg	120
cacctctccc	taggatacac	agcctgcagg	tccccaggac	ctggatgaca	cccgccctcac	180
tgtggcagtg	tattgcctgt	taattgctgc	taattcta	tctgatgatg	actcctactc	240
cattgtttac	cccaaagcat	cagctaggct	ggagtgattt	gttacaaatg	agcaaaagat	300
gagtccttgc	ttccctcaga	aataaaaagga	gctcagctgc	agcgttgcat	tgggcttctt	360
ggcctcccaa	ctcttccac	tcccagaatc	cagaagtaag	ctctgcatgt	ttcccttcct	420
gggaggaaac	cagttgtcag	aaggatgtat	gatgacccc	tcccctccca	tccttcacct	480

cctaagcagt cctggctttt cctcatcact cccctctaca gt 522

<210> 290

<211> 331

<212> DNA

<213> Homo sapiens

<400> 290

aacaccagag	ctttgcta	aattagtgtg	gtcaagagcc	gtctgagcct	aatgagtc	ccc	60
agctgcatta	ggtaagaga	ctcttcaga	gccatcgcca	ggcttgaat	ggcacctctc		120
cctaggatac	acagcctgca	ggtecccagg	acctggatga	cacccgcctc	actgtggcag		180
tgtattgcct	gttaattgct	gctaattcta	attctgatga	tgactcctac	tccattgttt		240
accccaaagc	atcagctagg	ctggagtgat	ttgttacaaa	tgagcaaaag	atgagtcctt		300
gcttcctca	gaaataaaag	gagctcagct	g				331

<210> 291

<211> 228

<212> DNA

<213> Homo sapiens

<400> 291

gagatgcaaa	gcaggattca	aaagaacatc	tttgcgtttt	ctaccggctc	cccatcatcg		60
tactagggag	gaagaagcgg	gtgagaaaca	aaacttcttt	ccattgtcct	gcccgtttct		120
gcggacttgt	tctgaggccg	aggcacctct	aagatactga	tggtcttgca	gaggacccat		180
tcattgcttc	tgcttttgct	gctgaccctg	ctggggctgg	ggctgggc			228

<210> 292

<211> 342

<212> DNA

<213> Homo sapiens

<400> 292

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cctccctgat	caagacaaga	tgaggaagt	ggaagccatg	ctgctcccag	agaccctgaa		120
gcggtggaga	gactctctgg	agttcacaga	gataggtgag	ctctacctgc	caaagttttc		180
catctcgagg	gactataacc	tgaacgacat	acttctccag	ctgggcattg	aggaagcctt		240
caccagcaag	gctgacctgt	cagggatcac	aggggccagg	aaccctacag	tctcccaggt		300
ggtccataag	gctgtgcttg	atgtatttga	ggagggcaca	ga			342

<210> 293

<211> 311

<212> DNA

<213> Homo sapiens

<400> 293

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cctccctgat	caagacaaga	tgaggaagt	ggaagccatg	ctgctcccag	agaccctgaa		120
gcggtggaga	gactctctgg	agttcacaga	gataggtgag	ctctacctgc	caaagttttc		180
catctcgagg	gactataacc	tgaacgacat	acttctccag	ctgggcattg	aggaagcctt		240
caccagcaag	gctgacctgt	cagggatcac	aggggccagg	aacctagcag	tctcccaggt		300
ggtccataag	g						311

<210> 294

<211> 402

<212> DNA

<213> Homo sapiens

<400> 294

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gaccctgaag	cggtggagag	actctctgga	gttcagagag	ataggtgagc	tctacctgcc		120
aaagttttcc	atctcgaggg	actataacct	gaacgacgac	ttctccagct	gggcattgag		180

gaagccttca	ccagcaaggc	tgacctgtca	gggatcacag	gggccaggaa	cctagcagtc	240
tcccaggtgg	tccataaggc	tgtgcttgat	gtatttgagg	agggcacaga	agcatctgct	300
gccacagcag	tcaaaatcac	cctcctttct	gcattagtgg	agacaaggac	cattgtgcgt	360
ttcaacaggc	ccttcctgat	gatcattgtg	cctacagaca	cc		402

<210> 295

<211> 232

<212> DNA

<213> Homo sapiens

<400> 295

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ttcaccagca	aggctgacct	gtcagggatc	acaggggcca	ggaacctagc	agtctcccag	120
gtggtccata	aggctgtgct	tgatgtatct	gaggagggca	cagaagcatc	tgctgccaca	180
gcagtcaaaa	tcaccctcct	ttctgcatta	gtggagacaa	ggaccattgt	gc	232

<210> 296

<211> 435

<212> DNA

<213> Homo sapiens

<400> 296

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ccaaaaggag	ctgcaatttt	aaagtcttct	gatgtcatat	catttcactg	tctaggctac	120
aacaggattc	taggtggagg	ttgtgcatgt	tgtccttttt	atctgatctg	cgattaaagc	180
agtaatatct	taagatggac	tgggaaaaac	atcaactcct	gaagttagaa	ataagaatgg	240
tttgtaaaat	ccacagctat	atcctgatgc	tggtatggtat	taatcttgtg	tagtcttcaa	300
ctggttagtg	tgaaatagtt	ctgccacctc	tgacgcacca	ctgccaatgc	tgtacgtact	360
gcatttgccc	cttgagccag	gtggatgttt	accgtgtgtt	atataactta	ctggctcctt	420
cactgaacat	gccta					435

<210> 297

<211> 309

<212> DNA

<213> Homo sapiens

<400> 297

atcatttcac	tgtctaggct	acaacaggat	tctaagggga	cgttgtgcat	gttggccttt	60
gtatctgac	tgtgattaaa	gcagtaatat	tttaagatgg	actgggaaaa	acatcaactc	120
ctgaagttag	aaataagaat	ggtttgtaaa	atccacagct	gtatgctgaa	gctggatggt	180
attaatcttg	cgtagtcttc	aactggttag	gtgaaatagt	tctgccacct	ctgacgcacc	240
actgccaatg	ctgtacgtac	tggatttggc	ccttgagcca	ggtggatggt	caccgggcgt	300
gatataact						309

<210> 298

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 342

<223> n = A,T,C or G

<400> 298

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ttatctgac	tgtgattaaa	gcagtaatat	tttaacatgg	actgggaaaa	acatcaactc	120
ctgaagttag	aaataagaat	ggtttgtaaa	atccacagct	atatcctgat	gctggatggt	180
attaatcttg	tgtagtcttc	aactggttag	ttgaaatagt	tctgccacct	ctgacgcacc	240
actgccaatg	ctgtacgtac	tgcatttgcc	ccttgagcca	ggtggatggt	taccgtgtgt	300
tatataactt	cctggctcct	tactgaaca	tgcctagtcc	an		342

<210> 299
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 299
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 gcttgaagaa gagagcccat acactttggg ggatccaaaa cgagctgcga ttttcaagtc 120
 ttctgatgtc atatcattcc actgtctagg ctacaacagg attctagggg gacgttgtgc 180
 atgttggcct ttttatctga tctgtgacta aagcactaat attttaagat ggactgggaa 240
 aaacatcaac tcttgaagtt agaaat 266

<210> 300
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 300
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 ttgaagaaga gtgcagatac actttggggg atccaaaagg agctgcaatt ttaaagtctt 120
 ctgatgtcat atcatctcac tgtctaggct acaacaggat tctaggtgga ggttgtgcat 180
 gttgaccttt ttatctgata tgtgattaaa gcagtaatat ttttaagatgg actgggaaaa 240
 acatcaactc ctgaagttag aaataagaat ggtttgtaaa atccacagct atatcctgat 300
 gctggatggt attaatcttg tgtagtcttc aactgggttag tgtgaaatag ttctgccacc 360
 tctgacgcac cactgccaat gct 383

<210> 301
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 301
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 aaggtgactc tgacttctga ggaagaggcc cgtttgaaga agagtgcaga tacacttttg 120
 gggatccaaa aggagctgca attttaaagt cttctgatgt catatcattt cactgtctag 180
 gctacaacag gattctaggt ggaggttgtg catgttgtcc tttttatctg atctgtgatt 240
 aaagcagtaa tattttaaga tggactggga aaaacatcaa ctctgaagt tagaaataag 300
 aatggtttgt aaaatccaca gctatatcct gatgctggat ggtattaatc ttgtgtagtc 360
 ttcaactggt tagtgtgaaa tagttctgcc acctctgacg caccactgcc aatgctgtac 420
 gtactgcatt tgccccttga gccagggtga tgt 453

<210> 302
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 302
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 ttgaagaaga gtgcagatac actttggggg atccaaaagg agctgcaatt ttaaagtctt 120
 ctgatgtcat atcatctcac tgtctaggct acaacaggat tctaggtgga ggttgtgcat 180
 gttgaccttt ttatctgata tgtgattaaa gcagtaatat ttttaagatgg actgggaaaa 240
 acatcaactc ctgaagttag aaataagaat ggtttgtaaa atccacagct atatcctgat 300
 gctggatggt attaatcttg tgtagtcttc aactgggttag tgtgaaatag ttctgccacc 360
 tctgacgcac cactgccaat gct 383

<210> 303
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 303
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 tttcttaact tagccattcc aattgtagta tttacag 97

<210> 304
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 304
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 gttattttacc cctgtattaa gtgatttttag actgttggtta ttttttgagt tacagcatgt 120
 gcttttcaaaa tagggagact gtatgggtga attaatattt ttttaaataa ctgttaacat 180
 gtatagagta ggttgaaagt ttgaaagtat aaaatatact aaaagtatac agacctgtaa 240
 taagaaattt atattactat agtcccatag ctgctttttac tatccacaga gaaatgcttg 300
 aaaacgtgaa agttgaatag atgcaattaa aatcacggat agtttttaggc tgtttatatt 360
 atcagatcac cttctttttat ctaggttgcc ttggagatga tcaaagtaac tgggtggctat 420
 ccatttgaag cttacaaaaa tt 442

<210> 305
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 305
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 cgcccgccgc cccgagctcc ccaagccttc gagagcgcg cactactccg gtctccactc 120
 gctcttccaa caccgctcg ttttgcggc agctcgtgtc ccagagaccg agttgcccc 180
 gagaccgaga cgccgcccgt gcgaaggacc aatgagagcc ccgctgctac cgccggcgcc 240
 ggtggtgctg tcgctcttga tactcggtc aggccattat gctgctggat tggacctcaa 300
 tgacacctac tctgggaagc gtgaaccatt ttctggggac cacagggtg atggatttga 360
 ggttacctcc agaaggagg 380

<210> 306
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 306
 ccagtactgc ctctgtgct cgtgccaaaga cacagtgaat ataaccccc gctcagcctc 60
 ctggccaagt tccgcagcgc ctccctgcac agtgagccac tcatgccaca caacgccacc 120
 tatcctgact ctt 133

<210> 307
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 307
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 cctggccaag ttccgcagcg cctccctgca cagtgaacca ctcatgccac acaacgccac 120
 ctatcctgac tctttccagc agcctccgtg ctctgactc cctccctcac ccagccacgc 180
 gttctccag tccccgtgca cggccagcta ccctcactcc ccaggaagtc cttctgagcc 240
 agagagtccc tatcaacact cagactttcg accagtttgt tacgaggagc cccactggt 300
 gctcggtcgc ctactatgaa ctgaacaacc gagttgggga gacattccag gcttccctcc 360
 gaagtgtgct catagatggg ttcaccgacc cttcaaataa caggaacaga ttctgtcttg 420
 gacttctt 428

<210> 308
 <211> 497
 <212> DNA

<213> Homo sapiens

<400> 308

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cagcatcagc tgggtctgctt tctttgtgtg tggccccagg tgtcaaatg acaccagctg 120
tctgtactag acaagggttac caagtgcgga attgggttaac actaacagag agatttgctc 180
cattctctttt ggaataacag gacatgctgt atagatacag gcagtagggt tgctctgtac 240
ccatgtgtac agcctaccca tgcagggact gggattcgag gacttccagg cgcatagggt 300
agaaccaaata gatagggtag gagcatgtgt tctttagggc cttgtaaggc tgtttccttt 360
tgcattctgga actgactata taattgtctt caatgaagac taattcaatt ttgcatatag 420
aggagccaaa gagagatttc agctctgtat ttgtggtatc agtttggaaa aaaaaaatct 480
gatactccat ttgatta 497
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<210> 309

<211> 356

<212> DNA

<213> Homo sapiens

<400> 309

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gggaatgtgt ctggcccttc agcagtttct cttggcagca tcagctgggc tgctttcttt 60
gtgtgtggcc ccaggtgtca aaatgacacc agctgtctgt actagacaag gttaccaagt 120
gcggaattgg ttaataactaa cagagagatt tgctccattc tctttggaat aacaggacat 180
gctgtataga tacaggcagt aggtttgctc tgtacccatg tgtacagcct acccatgcag 240
ggactgggat tgcaggactt ccaggcgcac agggtagaac caaatgatag ggtaggagca 300
tgtgttcttt aaggccttgt aaggctgttt ccttttgcat ctggaactga ctatat 356
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<210> 310

<211> 348

<212> DNA

<213> Homo sapiens

<400> 310

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gggaatgtgt ctggcccttc agcagtttct cttggcagca tcagctgggc tgctttcttt 60
gtgtgtggcc ccaggtgtca aaatgacacc agctgtctgt actagacaag gttaccaagt 120
gcggaattgg ttaataactaa cagagagatt tgctccattc tctttggaat aacaggacat 180
gctgtataga tacaggcagt aggtttgctc tgtacccatg tgtacagcct acccatgcag 240
ggactgggat tgcaggactt ccaggcgcac agggtagaac caaatgatag ggtaggagca 300
tgtgttcttt aaggccttgt aaggctgttt ccttttgcat ctggaact 348
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<210> 311

<211> 337

<212> DNA

<213> Homo sapiens

<400> 311

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aagttgtggt ctgacacaca ctgctgtggt tcccctggat ttagtgaaat gccgtatgca 60
ggtggacccc caaaagtaca agggcatatt taacggattc tcagttacac ttaaagagga 120
tggtgttcgt ggtttggtta aaggatgggc tccgactttc cttggctact ccatgcaggg 180
actctgcaag tttggctttt atgaagtctt taaagtcttg tatagcaata tgcttgagga 240
ggagaatact tatctctggc gcacatcact atatttggct gcctctgccg gtgctgaatt 300
ctttgctgac attgccctgg ctcctatgga agctgct 337
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<210> 312

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 144

<223> n = A,T,C or G

<400> 312
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cctttgatga cttcctgttc ccagtgcacac ttcagagagc tggtagttag tagcatgttg 120
agccaggcct gggctctgtg ctcttttctc tttctcctta gtcttctcat agcattaact 180
aatctatttg gttcattatt ggaattaacc tgggtgctgga tattttcaaa ttgtatctag 240
tgcagctgat tt 252

<210> 313
<211> 51
<212> DNA
<213> Homo sapiens

<400> 313
actcccagct gcactgggta cacgtcttcc ttcgtcttca cctaccccga g 51

<210> 314
<211> 348
<212> DNA
<213> Homo sapiens

<400> 314
atggccacag agctggagcc cctgtgcact ccggtgggtca cctgtactcc cagctgcact 60
gcttacacgt cttccttcgt cttcacctac cccgaggctg actccttccc cagctgtgca 120
gctgcccacc gcaagggcag cagcagcaat gagccttcct ctgactcgct cagctcacc 180
acgctgctgg ccctgtgagg gggcagggaa ggggaggcag ccggcaccca caagtgccac 240
tgcccagact ggtgcattac agagaggaga aacacatctt ccctagaggg ttcctgtaga 300
cctagggagg accttatctg tgcgtgaaac acaccaggct gtggggccc 348

<210> 315
<211> 507
<212> DNA
<213> Homo sapiens

<400> 315
ccggtgggtca cctgtactcc cagctgcact gcttacacgt cttccttcgt cttcacctac 60
cccgaggctg actccttccc cagctgtgca gctgcccacc gcaagggcag cagcagcaat 120
gagccttcct ctgactcgct cagctcacc acgctgctgg ccctgtgagg gggcagggaa 180
ggggaggcag ccggcaccca caagtgccac tgcccagact ggtgcattac agagaggaga 240
aacacatctt ccctagaggg ttcctgtaga cctagggagg accttatctg tgcgtgaaac 300
acaccaggct gtgggcctca aggacttgaa agcatccatg tgtggactca agtccttacc 360
tcttccggag atgtagcaaa acgcatggag tgtgtattgt tcccagtgac acttcagaga 420
gctggtagtt agtagcatgt tgagccaggc ctgggtctgt gtctcttttc tctttctcct 480
tagtcttctc atagcattaa ctaatct 507

<210> 316
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 223
<223> n = A,T,C or G

<400> 316
agactccaag ccctactggg aggcacggag ggtggcgagg caggctcagc tggaagctca 60
gaaagccacg caggacttcc agagggccac agaggtgctc cgcgccgcca aggagaccat 120
ctccctggcc gagcagcggc tgctggagga tgacaagcgg cagttcgact ccgcctggca 180
ggagatgctg aatcacgcca ctacaggggt catggaggcg ganagaccaa gaccaggag 239

<210> 317
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 317
 catcagtgat agggatgatt cacaaacaca aagctgggtct tttcaaaatg ggaagaaaaa 60
 agatgcaatt gatcccttac tattcaagta taaagtgcaa cccactaaaa aagaattaca 120
 tgagtctgct attgttaaag caacacaaat cagccggaga aaacacctat tttctcgtga 180
 taaactaaag ctttttctga agcaacactg ggaaccacaa gatggagtca ttaaaataaa 240
 ggcacatctt ctttcaacgg ataaaatagc cgaacaagat tttttcttat ttcttccttg 300
 atgattccac ccc 313

<210> 318
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 318
 aaataacatc aacagaacag cttcactttg ggccaaacat ttgaaaaact ttttataaaa 60
 aattgtttga tttttcttaa tgtctgctct gagccttaaa acacagattg aagaagaaaa 120
 gaaagaaaaa acttaaatat ttatttctat gctttgttgc ctctgagaat atgacaatt 180
 tatgaatttg tgtttcaaat tgataaaata tttaggtaca aataacaaga ctaataatat 240
 tttcttattt aaaaaaagca tgggaagatt tttattttatc aaaatataga ggaaatgtag 300
 acaaaatgga tataaatgaa aattaccatg ttgtaaaacc ttgaaaatca gattctaact 360
 ggatttgtat gcaactaagt atttttctga acacctatgc aggtcttatt tacagtagtt 420
 actaaggga cacaacaaag attacacaac gttttcctca agaaaatggt acaaaacaca 480
 accgaggagc gtatacagtt gaaaacattt ttgttttgat tggaaggcag attattttat 540
 attagtatta aaaatcaaac cctatgtttc tttc 574

<210> 319
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 319
 gaagggaat aacatcaaca gaacaacttc actttgggcc aaacatttga aaaacttttt 60
 ataaaaaatt gtttgatatt tcttaatgtc tgctctgagc cttaaaacac agattgaaga 120
 agaaaagaaa gaaaaaactt aaatatattt ttctatgctt tgttgccctc gagaataatg 180
 acaatttttg aatttgtgtt tcaaattgat aaaatattta ggtacaaata acaagactaa 240
 taatattttt ttatttaaaa aaagcatggg aagattttta tttatcaaaa tatagaggaa 300
 atgtagacaa aatggatata aatgaaaatt accatgttgt aaaaccttga aatcagatt 360
 ctaactggat ttgtatgcaa ctaagtattt ttctgaacac ctatgcaggt cttattttaca 420
 gtagttacta agggaacaca caaagaatta cacaacgttt tcctcaagaa aatggtacaa 480
 aacacaaccg aggagcgtat acagttgaaa acattttt 518

<210> 320
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 320
 aaataacatc aacagaacaa cttcactttg ggccaaacat ttaaaaaact ttttataaaa 60
 aaatgtttga tttttcttaa tgtctgctct gagccttaca acacagattg aagaagaaaa 120
 gaaagaacaa acttagatat ttatttctat gctttgttgc ctctgagaat aatgacaatt 180
 tatgaatttg agtttcaaat tgataaaata tttaggtact aataacaaga ctaataatat 240
 tttcttattt ataaaaagca tgggaagatt tttattttatc aaaatatata ggaagtgtag 300
 acaaaatgga tataaatgaa aattaccatg ttgtaaaacc ttgaaaatca gag 353

<210> 321
 <211> 401

<212> DNA
 <213> Homo sapiens

<400> 321
 gacctgcaca cagagactcc ctctctgggt cctggcacca tggccccctg aagagctggc 60
 cctggtcacc ctctctctgg gggcttctct gcagcacatc cacgcagctc gagggacca 120
 tgtgggccgg gagtgctgcc tggagtactt caagggagcc attcccctta gaaagctgaa 180
 gacgtggtac cagacatctg aggactgctc cagggatgcc atcgtttttg taactgtgca 240
 gggcagggcc atctgttcgg accccaacaa caagagagtg aagaatgcag ttaaatacct 300
 gcaaagcctt gagaggtctt gaagcctcct caccacagac tctgactgt ctcccgggac 360
 tacctgggac ctccaccggt ggtgttcacc gccccaccc t 401

<210> 322
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 322
 gacctgcaca cagagactcc ctctctgggt cctggcacca tggccccact gaagatgctg 60
 gccctggtca cctcctcctt gggggcttct ctgcagcaca tccacgcagc tcgagggacc 120
 aatgtggggc gggagtgtct cctggagtac ttcaagggag ccattcccct tagaaagctg 180
 aagacgtggt accagacatc tgaggactgc tccagggatg ccacgtttt tgtaactgtg 240
 cagggcaggg ccacatctgtt ggaccccaac aacaagagag tgaagaatgc agttaaatac 300
 ctgcaaagcc ttgagaggtc ttgaagcctc ctacccacag actcctgact gtctcccggg 360
 actacctggg acctccaccg ttggtgttca cgcccccac cctgagcgcc tgggtccagg 420
 ggaggccttc cagggacgaa gaagagccac agtgagggag atcccatccc cttgtctgaa 480
 ctggagccat gggcacaaa gggccagatt aaagtcttta tcctcaaaaa aaaaaaaaaa 540
 aaaaaaa 547

<210> 323
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 323
 ctgagcagag ggacctgcac acagagactc cctcctgggc tcttggcacc atggccccac 60
 tgaagatgct ggccctggtc accctcctcc tgggggcttc tctgcagcac atccacgcag 120
 ctgaggggac caatgtgggc cgggagtgtc gcctggagta cttcaaggga gccattcccc 180
 ttagaaagct gaagacgtgg taccagacat ctgaggactg ctccagggat gccatcgttt 240
 ttgtaactgt gcagggcagg gccatctgtt cggaccccaa caa 283

<210> 324
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 324
 gcggtgacga cggggaccat tttaccatca ccacccaccc tgagagcaac cagggcatcc 60
 tgacaaccag gaaggggttg gatcttgagg ccaaaaacca gcacaccctg tacgttgaag 120
 tgaccaacga ggccctttt gtgctgaagc tcccaacctc 160

<210> 325
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 325
 tttttttttg gggccaattc ttttaatttaa cttaaattagg aacgcagctt ttacagaaca 60
 ataaacacaa gggacggggc caccacagga tctaacagct tttcagggac ctatgttgca 120
 agctcaaaa gtaatccacta acgaaccaag tcaaactcca gtttttaata aaaaggggct 180
 gggggagggt gtcaaacccc ttccaatata aatccccaat ccgagggcca ccaaatgaaa 240

aagcaccaaaa aatggaagga aaactttcaa aaattctgca aaaaatatgc cccctttttt 300

<210> 326

<211> 394

<212> DNA

<213> Homo sapiens

<400> 326

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gtctattctt ttattttact aaattaggaa cgcagcattt acagaacaat aaacacaagt 60
gacgtggcca ccccaggatc taacagctct tcagtgagct atgttgcaag ctcagaagta 120
atccactaac gaaccaagtc agactccagt tcttcatcaa aagggtgctg tggagggttg 180
cagacgcctt ccaatataga tccccaatcc gatggccagc aaatgagaga gcagcagaga 240
tggaaggaaa acttccagaa attctgcaga gaatatgccc cctttcttca tgacgctcgt 300
gttcccccat gctgaagggt gccgtgcgct tccggtgttt aaagaagaac ccttgggggg 360
aatatttccc ggccatttga ccaatcccat tcca 394
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<210> 327

<211> 524

<212> DNA

<213> Homo sapiens

<400> 327

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gtctattctt ttattttact aaattaggaa cgcagcattt acagaacaaa taaacacaag 60
tgacgtggcc accccaggat ctaacagctc ttcagtgagc tatgttgcaa gctcagaagt 120
aatccactaa cgaaccaagt cagactccag ttcttcatca aaagggtgctg gtggagggtg 180
tcagacgcct tccaatatag atccccaatc cgatggccag caaatgagag agcagcagag 240
atggaaggaa aactttcaga aattctgcag agaatatgcc ccctttcttc atgacgctcg 300
tgttcctcat gctgagggtg ccgtgcgctt ccggtgttta aagaagaacc cttgggggga 360
atatttccgg ccgacttgac caatcccata tccatctgat ttttcttcca gaagctttca 420
cttccttctt ccttcaatat cactccctca actgtgactg ttttcccccc aatgctatgg 480
tttctgttca aaaccccggt ggttctgttg ggtcgctact ccgt 524
```

<210> 328

<211> 55

<212> DNA

<213> Homo sapiens

<400> 328

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ggccgcccctt tttttttttt ttttttcggg ggcgtttttt gattttttaa attgg 55
```

<210> 329

<211> 463

<212> DNA

<213> Homo sapiens

<400> 329

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tcactatagg gaaagctggt acgcctgcag gtaccgggtcc ggaattcccg ggtcgaccca 60
cgcgtccgcc gcccccgaga cctgtgaaga aaaccatctt gtgaggggct gcctggactg 120
gtctggcagg ttgggcctgg atggggaggc tctagcatct ctcatagggt caacctgaga 180
gtgggggagc taagccatga ggtaggggca ggcaagagag aggattcaga cgctctggga 240
gccagttcct agtcctcaac tccagccacc tgccccagct cgacggcact gggccagttc 300
cccctctgct ctgcagctcg gtttcctttt ctagaatgga aatagtgagg gccaatgccc 360
agggttgagg ggaggagggc gttcatagaa gaacacacat gcgggcacct tcacgtgtg 420
tggcccactg tcagaactta ataaaagtca actcatttgc tgg 463
```

<210> 330

<211> 274

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 144, 218, 268
 <223> n = A,T,C or G

<400> 330
 ccgccccga gaccatgtga agaaaacccat cttgtgaggg gctgcctgga ctgggtctggc 60
 aggttggggc tggatgggga ggctctagca tctctcatag gtgcaacctg agagtggggg 120
 agctaagcca tgaggtaggg gcangcaaga gagaggattc agacgctctg ggagccagtt 180
 cctagtcttc aactccagcc acctgccccca gctcgacngc actgggccag ttccccctct 240
 gctctgcagt cggtttctt ttctagantg gaaa 274

<210> 331
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 331
 cggctgtgag aatacgacag aagggtccgg ctgcgagaag acgacagaag ggggatctca 60
 gcggggagcc acgtctcttg cactgtgggc tctgcatgga cccagggct gtggggactt 120
 gggggacagt aatcaagtaa tccccctttc cagaatgcat taaccactc ccctgacctc 180
 acgctggggc aggtcccca gtgtgcaagc tcagtattca tgatggtggg gg 232

<210> 332
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 332
 gttgtgttga gatccagtgc agttgtgatt tctgtggatc ccagcttggg tccaggaatt 60
 ttgtgtgatt ggtttaaatc cagttttcaa tcttcgacag ctgggctgga acgtgaactc 120
 agtagctgaa cctgtctgac ccggtcacgt tcttggatcc tcagaactct ttgctcttgt 180
 cgggggtgggg gtgggaactc tctgtaggag cggcagctgt gtaaagtcca cgactccgta 240
 attcttattc ggtgggacct tgcttccctc tgggagctgg ctcgttttgt tgggtgtctaa 300
 cctttcgccc aatcgttaaa g 321

<210> 333
 <211> 344
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 265, 267, 272, 337
 <223> n = A,T,C or G

<400> 333
 gtctatttct tcattttgtt gataatttct gcatttaatg gtctgtgctt taaatggtaa 60
 cgctacggcc ccaggtcact gcgaggcact taccatgtag atacgggctc aaaagtcacc 120
 tctcagagac ctacgtcatc cactcaggaa ttccgcgcctc tcatacttgc ctgtctcatt 180
 ttatcttctt tctagcagct gtctgaaatt gggtcgtctg ttttcttgtt tatggtaattc 240
 tcaagccctt gacagaccgg ctagnnggt tntcccgctg atcttcagcc tggcacatta 300
 tggacactta aatactacgt attgatctaa tattganggg ttaa 344

<210> 334
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 334
 ggcacgaggg atgaagggtg ctgctcattt tcattagatg tatgtgaagg cacagtgaaa 60

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atggaaatgt tcttgagact acttccctcaa aatgtatcct tagtcacctc agtgcaacag 120
ctgggagggg gccgtgttaa gatttttttt gctacaaaga ggaggtggca atggtagatc 180
cacccttatg cttctcagtt tagcataacc tcttatggat tttcatcaaa ttcagcgtgt 240
tggtcactgg aaagagcctt ttccttctcc ttttcttact ctccctcat ggggttcccc 300
tcttaaagga gaggagcttt taatttacac ttaccacctc atttgctttt ttggaggcca 360
tgccatataa gcgggactac cgagttaatc tcctttttac aaaag 405

```

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<210> 335
<211> 227
<212> DNA
<213> Homo sapiens

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<400> 335
ggatgaacta ttcagatgct atcgtttggc taaaagaaca tgatgtaaag aaagaagatg 60
gaactttcta tgaatttggg gaagatatcc cagaagctcc tgagagactg atgacagaca 120
ccattaatga accaatcttg ctgtgtcgat ttcctgtgga gatcaagtcc ttctacatgc 180
agcgatgtcc tgaggattcc cgtcttactg aatctgtcga cgtgttg 227

```

```

<210> 336
<211> 521
<212> DNA
<213> Homo sapiens

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<400> 336
tcgaattcgg atgaactatt cagatgctat cgtttggcta aaagaacatg atgtaaagaa 60
agaagatgga actttctatg aatttggaga agatatccca gaagctcctg agagactgat 120
gacagacacc attaatgaac caatcttgct gtgtcgattt cctgtggaga tcaagtcctt 180
ctacatgcag cgatgtcctg aggattcccg tcttactgaa tctgtcgacg tgttgatgcc 240
caatgttggg gagattgtgg gaggtcaat gcgtatcttt gatagtgaag aaatactggc 300
aggttataaa agggaaggga ttgacccac tccctattac tgggtatacg atcagagaaa 360
atacgggtaca tgtcccatg gaggatattg cttgggcttg gaacgattct taacgtggat 420
tctgaatagg tatcacatcc gagacgtgtg cttataccct cgatttgtcc agcgttgcac 480
gccataacca ttttctccag aagcgtggag gaaagattat g 521

```

```

<210> 337
<211> 325
<212> DNA
<213> Homo sapiens

```

```

<400> 337
ggactttccc gatcgccagg caggagtttc tctcggtgac tactatcgct gtcattgtctg 60
gtcgtggcaa gcaaggaggc aaggcccgcg ccaaggccaa gtgcgcgtcg tccgcgcgcg 120
gccttcagtt cccggtaggg cgagtgcacg gcttgctgcg caaaggcaac tacgcggagc 180
gagtgggggc cggcgcgccc gtctacatgg ctgcgttcct cgagtatctg accgctgaga 240
tcctggagct ggcgggcaac gcggctcggg acaacaagaa gacgcgcacg atccctcgtc 300
acctccagct ggccatccgc aacga 325

```

```

<210> 338
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 264
<223> n = A,T,C or G

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<400> 338
cgttgctgtc ggttttagga aacctggcat ggtgctttca ggtctggggc ttttagagcc 60
ccccgtgtgg cttacaaatt ctacagcata cagagcaggc cacgctcagg cccggcatgc 120
gggccaccaa gttctggaaa ccacgtggtg tccctgcgaa tggggcgatc aagtccagag 180

```

ccggggcact	ttcagagttt	gaaggtaact	gagagcagat	ggtcctccat	ttcaactcca	240
gaagtggggc	tctggggagg	atgntctaac	cctccctggc	atgtcacaac	caggctctgg	300
ctggaggatc	cctccatccg	gctcctgtca	tcccctacac	tttggcctag	caagaggtag	360
aataaccact	tgtgtgctca	ttactgttgg	gaggaacaaa	g		401

<210> 339
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 339						
catgcgggcc	accaagttct	ggaaaccacg	tggtgtccct	gcgaatgggg	cgatcaagtc	60
cagagccggg	gcactttcag	agtttgaagg	taactgagag	cagatgggcc	tccatttcaa	120
ctccagaagt	ggggctctgg	gagggatgtt	ctagccctcc	ctggcatgtc	agaaccaggc	180
tctgcctgga	ggatccctcc	atccggtccc	tgtcatcccc	tacactttgg	ccaagcaaga	240
agtggtagaa	ccacttggct	gctccttccc	tctggaggac	acacagtctc	agtccagatg	300
ccttcctgtc	tttctggccc	tttctggacc	agatcctact	cttcctttct	aaatctgaga	360
tctccctcca	gggaatccgc	ctgcagagga	cagagctggc	tgtcttcccc	caccctaacc	420
ctggcttatt	cccaactgct	ctgcccactg	tgaaccact			460

<210> 340
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 340						
tttttttttt	tttttttttt	tttttgggat	tcttaaatat	agatgtattt	ttttcatctc	60
atctccggac	acactccaat	cacaccctcc	ctgccctccc	ctctcaactg	caaaccaagc	120
ggtgcagaca	cagcacagca	cacatgaggg	gccctccctt	tcaccaaaagc	tgaaggcagg	180
gcacagtttg	gggatggaag	agcctcgagg	taaatgtggg	ggttctagaa	cccagtgacc	240
tcagttcttg	atcatgggaa	agggatcagt	atgcagtaac	gtggtaaggt	tccagatcta	300
gaagccagga	cctagaacct	agtggtttca	cagtgggcag	agcagttggg	aataagccag	360
gttaggggtg	ggggaagaca	gccagctctg	tcctctgcag	gcggattccc	tggagggaga	420
tctcagattt	agaaaggaag	agtaggatct	ggtccagaaa	gggccagaaa	gacaggaagg	480
catctggact	gagact					496

<210> 341
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 341						
tttttttttt	tttttttttt	tttttttttag	gatttgaata	catttattgt	gacaagaatg	60
ctgttataaa	tattcataag	caaaggccat	ctttttatct	aggaattgtc	aaagagaaga	120
ttccaaattg	gaaggataca	tcttttgtaa	aatctgccac	caattcctgc	tttgagaata	180
agcacctatt	gtaaaatttc	tactaacatt	ataaatggtc	acagcacatg	ccacttgata	240
caatccaaac	tttgaaatgt	ttgacttctc	agtgggctgt	ccc		283

<210> 342
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 342						
tgtcgggcag	caggcgcagc	ccagcctcga	aatgcagaac	gacgccggcg	agttcgtgga	60
cctgtacgtg	ccgcggaaat	gctccgctag	caatcgcctc	atcgggtgcc	aggaccacgc	120
atccatccag	atgaacgtgg	ccgaggttga	caaggtcaca	ggcaggttta	atggccagtt	180
taaaacttat	gctatctgcg	gggccattcg	taggatgggt	gagtcagatg	attccattct	240
ccgattggcc	aaggccgatg	gcacgtcttc	aaagaacttt	tgactggaga	gaatcacaga	300
tgtggaatat	ttgtcataaa	taaataatga	aaacc			335

<210> 343
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 343
 gggtagagtt cttaaatcga gatctggagg tagatggacg ctttgtaacc ctccagatct 60
 gggacactgc agggc 75

<210> 344
 <211> 611
 <212> DNA
 <213> Homo sapiens

<400> 344
 gccggggggc agcggcgggc gcgagcggca gctgtcaggc caccgaggtc caagccgcac 60
 ttgctgcccc attgaggacg aggaggcagc aggagcagtg acggtgactc taaggagccg 120
 gattccccgc acgcagagct gacctgcctg gcacccgcgg ccctctcctg tttccttccc 180
 attgtgttgg caccctaaaa agaaagaata aaacaacaac aggaaaaaaa ggaaaatatt 240
 taaattgtga caaaaaccca ctgggttctc ttggttacaa actccttccc ttctggtgct 300
 acaaaaatga gtgggaaatc cctgctctta aaggtcattc tcttggtga tgggtggagt 360
 gggaaaagtt cgcttatgaa ccgttacgta accaacaat ttgactcca ggcttttcac 420
 accatagggg tagagttctt aaatcgagat ctggaggtag atggacgctt tgaaccctc 480
 cagatctggg acactgcagg gcaggaacgt ttcaagagcc ttaggacacc cttctacagg 540
 ggagcagact gctgcctctt gaccttcagc gtggatgatc ggcagagctt cgagaatctt 600
 ggtaactggc a 611

<210> 345
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 345
 ggcctttgca agcctcaccg gcgatgcaag gatagtcatc aacagggccc ggggtggagt 60
 ccagagccac cggtgactg tggaggaccc ggtcactgtg gactacatca cccgctacat 120
 cgccagtctg aagcagcgtt atacgcatag cactgggcgc aggcgtttgg catctctgcc 180
 ctcatcgtgg gtttctactt tgatggcact cctaggctct atcagactga cccctctgtc 240
 acataccatg cctggaaggc caatgccata cgccggggtg ccaactcagt gcgtgagttc 300
 ctggagaaga actatactga cgaagccatt gtaacatatg atctgaaccat taagctggtg 360
 atcaacgcac tccgtgaagt ggttactca ggtggcaaaa acattgaact tgctgtcatg 420
 aggcgagatc aatccctcaa g 441

<210> 346
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 346
 ggcctttgca ggcctcaccg ccgatgcaag gatagtcatc aacagggccc ggggtggagt 60
 ccagagccac cggtgactg tggaggaccc ggtcactgtg gactacatca cccgctacat 120
 cgccagtctg aagcagcgtt atacgcacag caatgggcgc aggcgtttgg catctctgcc 180
 ctcatcgtgg gtttctactt tgatggcact cctaggctct atcagactga cccctcgggc 240
 acataccatg cctggaaggc caatgccata tgccggggtg ccaagtcagt gcgtgagttc 300
 ctggagaaga actatactga cga 323

<210> 347
 <211> 567
 <212> DNA
 <213> Homo sapiens

<400> 347

```

ccagcggcct cttccccctt ctggtgctgc ttgccctggg aactctggca ccttgggctg 60
tggaaggctc tggaaagtcc ttcaaagctg gagtctgtcc tcctaagaaa tctgcccagt 120
gccttagata caagaaacct gagtgccaga gtgactggca gtgtccaggg aagaagaaat 180
gttgtcctga cacttgtggc atcaaagctc tggatcctgt tgacacccca aacccaacaa 240
ggaggaagcc tgggaagtgc ccagtgaact atggccaatg tttgatgctt aaccccccca 300
atttctgtga gatggatggc cagtgcgaagc gtgacttgaa gtgttgcag ggcatgtgtg 360
ggaaatcctg cgtttcccct gtgaaagctt gattcctgcc atatggagga ggctctggag 420
tcctgctctg tgtgggtccag gtcctttcca ccctgagact tggctccacc actgatatcc 480
tcctttgggg aaaggcttgg cacacagcag gctttcaaga agtgccagtt gatcaatgaa 540
taaataaacg agcctatttc tctttgc 567

```

<210> 348
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 48
 <223> n = A,T,C or G

```

<400> 348
atgaagtcca gcggcctctt ccccttccctg gtgctgcttg ccctgggnac tctggcacct 60
tgggctgttg aaggctctgg aaagtccttc aaagctggag tctgtcctcc taagaaatct 120
gcccagtgcc ttagatacaa gaaacctgag tgccagagtg actggcagtg tccagggaag 180
aagagatggt gtcctgacac ttgtggcatc aaatgcctgg atcctgttga cccccaaac 240
ccaacaagga ggaagcctgg gaagtgccca gtgacttatg gccaatgttt gatgcttaac 300
ccccccaatt tctg 314

```

<210> 349
 <211> 611
 <212> DNA
 <213> Homo sapiens

```

<400> 349
ggctctgctc tgcagcacac ccgtgggtga cccctcacc cagaagcagc agtggcagct 60
tggaagatgt gaggaaggga aggagggaga gacgggaggg aggagagaga ggagaaggga 120
ggcaggggag gggcagcaga accaaggcaa atatttcagc tgggctatac ccctctcccc 180
atccctgtta tagaagctta gagagccagc cagcaatgga accttctggt tcctgcgcca 240
atcgccacca gtatcaattg tgtgagcttg ggtgagagtg cacgcgtgag tgagtacgga 300
gagtatatat agatctctat ctcttagcaa aggtgaatgc cagatgtaaa tggcgctctc 360
gggcaaagga ggcctgtatt ttgcacattt tataaaaact tgagagaatg agatttctgc 420
ttgtatatatt ctaaaaagag gaaggagccc aaaccatcct ctcttacca ctcccatccc 480
tgtgagccct accttaccct tctgccccta gccaaaggag gtgaatttat agatctaact 540
ttcataggca aaacaaaagc ttcgagctgt tgcgtgtgtg agtctgttgt gtggatgtgc 600
gtgtgtggtc c 611

```

<210> 350
 <211> 370
 <212> DNA
 <213> Homo sapiens

```

<400> 350
tggctggatg ggcttggact gtggctcctga aagcagcaag aagtatgctg aggctgtcac 60
tcgggctaag cagatttgtt ggaatggtcc tgtgggggta tttgaatggg aagcttttgc 120
ccggggaacc aaagctctca tggatgaggt ggtgaaagcc acttctaggg gctgcatcac 180
catcataggt ggtggagaca ctgccacttg ctgtgcaaaa tggaacacgg aggataaagt 240
cagccatgtg agcactgggg gtggtgccag tttggagctc ctggaaggta aagtccttcc 300
tggggtggat gctctcagca atatttagta ctttctctgc ttttagttcc tgtgcacagc 360
ccctaagtca 370

```

```

<210> 351
<211> 177
<212> DNA
<213> Homo sapiens

<400> 351
gggctgcatc accatcatag gtggtggaga cactgccact tgctgtgcca aatggaacac 60
ggaggataaa gtcagccatg tgagcactgg gggtgggtgcc agtttggagc tcctggaagg 120
gaaagtcctt cctgggggtg atgctctcag caatatttag tactttcctg cctttta 177

<210> 352
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 53, 55, 76, 86, 137
<223> n = A,T,C or G

<400> 352
atggctttta ccttccttaa ggtgctcaac aacatggaga ttgggcactt tcncnggttg 60
atgaagaagg aagccnagat ttgtcnaaga cctaattgtcc aaaagctgag aagaatggtg 120
tgaagattac cttgcctgtg tgacttgtca ctgctgacaa gtttgatgag aatgcccaag 180
actggcccag ccactgggtg cttc 204

<210> 353
<211> 489
<212> DNA
<213> Homo sapiens

<400> 353
cttttacctt ccttaagggtg ctcaggacat ggagattggc acttctctgt ttgatgaaga 60
gggagccaag attgtcaaag acctaattgtc caaagctgag aagaatggtg tgaagattac 120
cttgccgtgt gactttgtca ctgctgacaa gtttgatgag aatgccaaag ctggccaagc 180
cactgtggct tctggcatac ctgctggctg gatgggcttg gactgtggtc ctgaaagcag 240
caagaagtat gctgaggctg tcaactcgggc taagcagatt gtgtggaatg gtcctgtggg 300
ggtatttgaa tgggaagctt ttgcccgggg aaccaaagct ctcatggatg aggtggtgaa 360
agccacttct aggggctgca tcaccatcat aggtggtgga gacactgcca cttgctgtgc 420
caaatggaac acggaggata aagtcagcca tgtgagcact ggggggtggtg ccagtttgga 480
gctcctgga 489

<210> 354
<211> 885
<212> DNA
<213> Homo sapiens

<400> 354
tttttttttt tcacggtttc aatggacact tttattgttt acttaatgga tcatcaattt 60
tgtctcacta cctacaaatg gaatttcac tttgttccat gctgagtagt gaaacagtga 120
caaagctaata cataataacc tacatcaaaa gagaactaag ctaacactgc tacttttctt 180
tttaacaggc aaaatataaa tatatgcact ctaaaatgca caatggttta gtcactaaaa 240
aattcaaagt ggatcttgaa gaatgtatgc aaatccaggg tgcagtgaag atgagctgag 300
atgctgtgca actgtttaag ggttcctggc actgcatctc ttggccacta gctgaatctt 360
gacatggaag gtttttagcta atgcccaggg gaaatgcaaa aaatgctaata ttgacttagg 420
gcctgtgcac aggaactaaa aggcaggaaa gtactaaata ttgctgagag catccacccc 480
aggaaggact ttaccttcca ggagctccaa actggcacca cccccagtgc tcacatggct 540
gactttatcc tccgtgttcc atttggcaca gcaagtggca gtgtctccac cacctatgat 600
ggtgtgcgag cccctaaaa gtggctttca ccacctcatc catgagagct ttggttcccc 660
gggcaaaaagc ttccatttca aataccccca caggaccatt ccacacaatc tgcttaaccc 720
gagtgcagac ctgcagatac ttcttgctgg tttcaggacc acagtccaag ccccatccca 780

```


ccagcaggta tgcaagaagg cccagtgggc ttgccagtct tggcatttct catcaacttg 840
tcagcagtga caaagtcaac cggaaggaa tcttcacacc atctt 885

<210> 355

<211> 434

<212> DNA

<213> Homo sapiens

<400> 355

cggtctgcgag aagacgacag aaggggggag tggttgctat accttgactt cttttatatg 60
aatttccact ttattaaata atagaaaaga aaatcccggt gcttgacgta gaggatagg 120
acattctatg cttacagaaa atatagccat gattgaaatc aaatagtaaa ggctgttctg 180
gctttttatc ttcttagctc atcttaaata agcagtacac ttggatgcag tgcgtctgaa 240
gtgctaatac gttgtaacaa tagcacaat cgaacttagg atttgtttct tctcttctgt 300
gtttcgattt ttgatcaatt ctttaatttt ggaagcctat aatacagttt tctattcttg 360
gagataaaaa tttaatggat cactgatatt ttagtcattc tgcttctcat cttaaatttt 420
ccatattctg tatt 434

<210> 356

<211> 318

<212> DNA

<213> Homo sapiens

<400> 356

gggagtgggt gctatacctt gacttcattt atatgaattt ccactttatt aaataataga 60
aaagaaaatc ccggtgcttg cagtagagtg ataggacatt ctatgcttac agaaaatata 120
gccatgattg aaatcaaata gtaaaggctg ttctggcttt ttatcttctt agtctatctt 180
aaataagcag tacacttgga tgcagtgcgt ctgaagtgt aatcagttgt aacaatagca 240
caaatcgaac ttaggatttg cttcttctct tctgtgttgc gatttttgat caattcttta 300
attttgaag cctataat 318

<210> 357

<211> 231

<212> DNA

<213> Homo sapiens

<400> 357

cggtctgcgag aagacaacag aaggggggctc ccgctcgga tctcgctccg gatctcgctc 60
cggtcccgcc agtgggtccc ggagaggaag ctttgacgcc acaaggaatt cttcctactc 120
ttattcctac tcatttagca gtagttctat tgggcactat tagtcagttg ggagtgggtg 180
ctataccttg acttcattta tatgaatttc cactttatta aataatagaa a 231

<210> 358

<211> 446

<212> DNA

<213> Homo sapiens

<400> 358

atgtgtgta tgccgagaat ggaaaaattg gaccaccta actggatata agaaaggagg 60
agaagcaaat catgattgac atatttcacc cttcagtttt tgtaaattgga gacgagcagg 120
aagtcgatta tgatcccgaa actacctgtt acattagggt gtacaatgtg tatgtgagaa 180
tgaacggaag tgagatccag tataaaatac tcacgcagaa ggaagatgat tgtgacgaga 240
ttcagtgcc a gtttagcatt ccagtatcct cactgaattc tcagtactgt gtttcagcag 300
aaggagtctt acatgtgtgg ggtgttaca ctgaaaagtc aaaagaagtt tgtattacca 360
ttttcaatag cagtataaaa ggttctcttt ggattccagt tgttgctgct ttactactct 420
ttctagtgt tagcctggtt ttcac 446

<210> 359

<211> 209

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> 19, 185, 193
<223> n = A,T,C or G

<400> 359
gagaatttgc tgtatgccng agatggaaaa attggaccac ctaaactgga tatcagaaaag 60
gaggagaagc aaatcatgat tgacatattt cacccttcaa gtttttgtaa atggagacga 120
gcaggaagtc gattatgata ccgaaactac ctgttacatt aggggtgtaca atgtgtatgt 180
gagantgaac ggnagtgaga tccagtata                                     209

<210> 360
<211> 521
<212> DNA
<213> Homo sapiens

<400> 360
tgctgtcggg gactactgaa gaaatattcc tgacgtgggc ccgggcagcc atctgactcc 60
aatagagaga gagagttctt cacttttaag tagtaaccag tctgaacctg gcagcatcgc 120
tttaaactcg tatcactcca gaaattgttc tgagagtgat cactccagaa atgggttttg 180
tactgattcc agctgtctgg aatcacatag ctctttatct gactcagaat ttcccccaa 240
taataaagggt gaaataaaaa cagaaggaca agagctcata accgtaataa aagccccac 300
ctcctttggg tatgataaac cacatgtgct agtggatcta cttgtggatg atagcggtaa 360
agagtccttg attggttata gaccaacaga agattccaaa gaattttcat gagatcagct 420
aagttgcacc aactttgaag tctgattttc ctggacagtt ttctgcttta atttcatgaa 480
aagattatga tctcagaaat tgtatcttag ttggtatcaa c                                     521

<210> 361
<211> 522
<212> DNA
<213> Homo sapiens

<400> 361
tggccctcga ggccaagaat tcggcactag gggagaggag cttgaatttc tgacacacat 60
aacatgtaaa aagtatttgg catttcataa ggatttgggg tggggtaaac gcaagggttag 120
tctgttttaa aaaatgtttt cattaacgag cacataactg gtggttccta atgggaatac 180
ttgaccacag cagaaactag aaaagtagca agtaggaaac ttccatttct ctccccctaaa 240
caacccttta aggcactgtg agctggagac aggagaggtg ttgcccacc tttgttcata 300
tactcgggtga cgatgtagat gggctcctca gaccactg catagagctg gaccagcttg 360
tcgtgcttca gcttcttcat gatctgcgct tctcgaagga atgattcggg ggacattgtg 420
cctggtttaa gagtctttat ggctactttt gtgtttccat tccaggtacc tacaacatc 480
ccagaatatg aagtcaaacc aaagatcttc ttttgatgga aa                                     522

<210> 362
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 331, 372
<223> n = A,T,C or G

<400> 362
ttaatgagtt anaaatctta atatagccat cttagccata accacaaata aactcatttt 60
ttctgttaaa atacttgaca gagtcccttg aattgaatgt ctttgttcaa caaaaactgt 120
attaagtgtt ttaaatttaa aatctaactt tatgcaata gctgggtggc aaaacctttt 180
tccatcaaaa gaagatcttt ggtttgactt catattctgg gatgtttgta ggtacctgga 240
atggaaacac aaaagtagcc ataaagactc ttaaaccagg cacaatgtcc cccgaatcat 300
tccttgagga agcgcagatc atgaagaagc ngaagcacga caagctgggc cagctctatg 360

```

gcagtgggtgt cngaggagcc catctacatc gtcaccgagt atatgaacaa aggttgggca 420
a 421

<210> 363

<211> 503

<212> DNA

<213> Homo sapiens

<400> 363

cagaaggggt ttccgaatgt tttagtttagc cttttgggtgg agccgccagc tgacaggaca 60
tcttacaaga gaatttgcac atctctggaa gcttagcaat cttattgcac actgttcgct 120
ggaagctttt tgaagagcac attctcctca gtgagctcat gaggttttca tttttattct 180
tccttccaac gtggtgctat ctctgaaacg agcgtttagag tgccgcctta gacggaggca 240
ggagtttctgt tagaaagcgg acgctgttct aaaaaaggct tcctgcagat ctgtctgggc 300
tgtgatgacg aatattatga aatgtgcctt ttctgaagag attgtgttag ctccaaagct 360
tttcctgtcg cagtgtttca gttctttatt ttcccttggtg gatatgctgt gtgaaccgtc 420
gtgtgagtgt ggtatgcctg atcacagatg gattttgtta taagcatcaa tgtgacactt 480
gcaggacact acaacgtggg aca 503

<210> 364

<211> 365

<212> DNA

<213> Homo sapiens

<400> 364

ggccgccctt tttttttttt ttggggggga aaaaattttt ttttaaaaaa aaaaaaactt 60
ccccctggg gaaaaaaaaa ggttttttaa aaaaaaaacc aaacaaaatt ttcccgggcc 120
cttttaggggt tttaaatttt cccccgggtt gaaccctttt taaaaaaaaa ggaatttttt 180
tggggggaaa taatggggga aaaacaaaaa aaaaaggggg gttttttttt taaaaccctt 240
ttttttttta aaaaccttcc ccaggggaa aaattcccaa aaccttttaa aaaaaagggg 300
ccgaaatttt taatccaaag gggaaaaacc ccccccccaa caaaaaaccc ccaaagggga 360
aaaag 365

<210> 365

<211> 680

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 172, 173, 176, 186, 199, 200, 591, 625, 659, 670

<223> n = A,T,C or G

<400> 365

aggacacaga caaggaactt gctgaaaggc caaccatttc aggatcagtc aaaggcagca 60
agcagataga ctcaagggtgt gtgaaagatg ttatacacca ggagctgcc cttcatgtcc 120
caaccagact gtgtctgtct gtgtctgcat gtaagagtga gggagggaag gnnggnacta 180
caaganagtc ggagatgann cagcacacac acaattcccc agcccacgtg atgcttgtgt 240
tgaccagatg ttcctgagtc tggagcaagc acccaggcca gaataacaga gctttcttag 300
ttggtgaaga cttaaacatc tgcctgaggt caggaggcaa tttgcctgcc ttgtacaaaa 360
gctcaggtga aagactgaga tgaatgtctt tcctctccct gcctcccacc agacttcctc 420
ctggaaaacg ctttggtaga tttggccagg agctttcttt tatgtaattg gataaatata 480
cacaccatac actatccaca gatatagcca agtagatttg ggtagaggat actatttcca 540
gaatagtgtt tagctcacct agggggatat gttgtatcac atttgcatat nccacatggg 600
gacataagct aattttttac agacncgatt ctgtcatgct gttaatagcc atggttaanc 660
ccccattggn ggggccggtg 680

<210> 366

<211> 570

<212> DNA

<213> Homo sapiens

```

<400> 366
taagctcggg attcggctcg agcgggctcga gtcaagagaa aacacaagaa ggacatcagc 60
cagaacaagc gagccgtgag gcgggtgcgc accgcctgcg agagggccaa gaggaccctg 120
tcgtccagca cccaggccag cctggagatc gactccctgt ttgagggcat cgacttctac 180
acgtccatca ccagggcgag gttcgaggag ctgtgctccg acctgttccg aagcaccctg 240
gagcccgtgg agaaggctct gcgcgacgcc aagctggaca aggccagat tcacgacctg 300
gtcctggtcg ggggctccac ccgcatcccc aaggtgcaga agctgctgca ggacttcttc 360
aacgggcgcg acctgaacaa gagcatcaac cccgacgagg ctgtggccta cggggcgggc 420
gtgcaggcgg ccctcctgat gggggacaag tccgagaacg tgcaggacct gctgctgctg 480
gacgtggctc ccctgtcgct ggggctggag acggccggag gcgtgatgac tgccctgatc 540
aagcgcaact ccaccatccc caccaagcag
570

```

```

<210> 367
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<400> 367
gcccgccttt tttttttttt tttttttttt tttttttttg tttttttttt tttttcaaaa 60
aaaaaaaaatc ttttttagaaa aaaaaacccc cccccaacaa aaaatggggg ggggggggga 120
ttttccctcc cgggggaagg agaaaaagcc gcagtaataa aaaggggggg aaccaaaaaa 180
tttttttttt tttttaaaaa aggttttttt gggggccccc cccccaataa aaaaaaagg 240
tccccccctt ttttttcccc cttttttggg ggggaaaaaa aaaaaagggg ggggaaaaaa 300
acagaaaatt ttccccaaaa atttaaaaaa aaaagggggg ggggggggaa aaaaaagggt 360
tttttaccct cctggggggg aaaaaaaaaa aatttggggc caccaaaaag gggggggggc 420
cccccaaaaa aggggggttt ttttaaaaaa aaaa
454

```

```

<210> 368
<211> 651
<212> DNA
<213> Homo sapiens

```

```

<400> 368
taagctcggg attcggctcg agtgggtctt gtctactccg ggtctttcag gaggccaaaa 60
ggcagctcca gaagattgac aaatctgagg gccgcttcca tgtccagaac cttagccagg 120
tggagcagga tgggcggacg gggcatggac tccgcagatc ttccaagttc tgcttgaagg 180
agcacaaaag cctcaagacg ttaggcatac tcatgggcac tttcaccctc tgctggctgc 240
ccttcttcat cggttaacatt gtgcatgtga tccaggataa cctcatccgt aaggaagttt 300
acatctctct aaatttgata ggctatgtca attctggttt caatcccctt atctactgcc 360
ggagcccaga tttcaggatt gccttccagg agcttctgtg cctgcgcagg tcttctttga 420
aggcctatgg gaatggctac tccagcaacg gcaacacagg ggagcagagt ggatatcacg 480
tggaacagga gaaagaaaat aaactgctgt gtgaagacct cccaggcacg gaagactttg 540
tgggccatca aggtactgtg cctagcgata acattgattc acaaggaggg aattgtagta 600
caaatgactc actgctgtaa agcagttttt ctacttttaa agaccccccc c
651

```

```

<210> 369
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 112
<223> n = A,T,C or G

```

```

<400> 369
tggtcttcgt ctactccagg gtctttcagg aggccaaaag gcagctccag aagattgaca 60
aatctgaggg ccgcttccat gtccagaacc ttagccaggt ggagcaggat gngcggacgg 120
ggcatggact ccgcagatct tccaagttct gcttgaagga gcacaaagcc ctcaagacgt 180
taggcatcat catgggcact ttcaccctct gctggctgcc cttcttcatc gttaacattg 240

```

tgcatgtgat ccaggataac ctcatccgta agaagtttac

280

<210> 370

<211> 418

<212> DNA

<213> Homo sapiens

<400> 370

```
ggccgccctt tttttttttt ttttttcccg ggcttttttg ggaaaaaccc ccctttccca 60
taaaaaaatt tttttggggg tttcccaatt tttttttcca atttcaaata atttttttcc 120
aaaaaaaacc caaacccctt gggccctttt tttttttttt aaagggcctt tttacttttc 180
cccaaggagg ccttggggaa ataaaaaaaa cccggttggt gggcccaaa aaaggggttg 240
gcccccttga atccccatt ggtttggggg taaaaaaggc ccccccattg gcccccttcc 300
cccggggggg ggaaccccc cccaagacct ccccggggga aaccggggcc aaaaaaaaaa 360
ccctttaaaa ttttaaaaaa cgggcccccc cctaaaaaaa ctttttttta aaaagggg 418
```

<210> 371

<211> 292

<212> DNA

<213> Homo sapiens

<400> 371

```
ttaggggtata agttgctgta aaatttgtgt aaatttgtat ccacacaaat tcagtctctg 60
aatacacagt attcagagtc tctgatacac agtaattgtg acaatagggc taaatgttta 120
aagaaatcaa aagaatctat tagattttag aaaaacattt aaacttttta aaatacttat 180
taaaaaattt gtataagcca cttgtcttga aaactgtgca acttttttaa gtaaattatt 240
aagcagactg gaaaagtgat gtattttcat agtgacctgt gtttcactta at 292
```

<210> 372

<211> 415

<212> DNA

<213> Homo sapiens

<400> 372

```
tccttatttta ttttaacttca cccgagttcc tctgggtttc taagcagtta tgggtgatgac 60
ttagcgtcaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
aagtccatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg tgtctgcctt 300
cacaaatgtc attgtctact cctagaagaa ccaaatacct caatttttgt ttttgagtac 360
tgtactatcc tgtaaataata tcttaagcag gtttgttttc agcactgatg gaaaa 415
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<210> 373

<211> 326

<212> DNA

<213> Homo sapiens

<400> 373

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ttagcgtcaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
aagtccatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg ggtctgcctt 300
cacaaatgtc attgtctact cctaca 326
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<210> 374

<211> 324

<212> DNA

<213> Homo sapiens

<400> 374

tccttatttta	tttaacttca	cccgagttcc	tctgggtttc	taagcagtta	tggatgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tgggtacatc	120
aagttcatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatcttt	tcatgcttga	catacctacc	agtattattc	240
ccgacgacac	atatacatat	gagaatatac	cttattttatt	tttgagttagg	tgtctgcctt	300
cacaaatggc	attgggtact	ccag				324

<210> 375

<211> 466

<212> DNA

<213> Homo sapiens

<400> 375

taactctggg	aggggctcga	gagggctggg	ccttattttat	tttaacttcac	ccgagttcct	60
ctgggtttct	aagcagttat	ggtgatgact	tagcgtcaag	acatttgctg	aactcagcac	120
attcgggacc	aatatatagt	gggtacatca	agtccatctg	acaaaatggg	gcagaagaga	180
aaggactcag	tgtgtgatcc	ggtttctttt	tgctcgcccc	tgttttttgt	agaatctctt	240
catgcttgac	atacctacca	gtattattcc	cgacgacaca	tatacatatg	agaatatacc	300
ttattttatt	ttgtgtagg	gtctgccttc	acaaatgtca	ttgtctactc	ctagaagaac	360
caaatacctc	aatttttgtt	tttgagtact	gtactatcct	gtaaatatat	cttaagcagg	420
tttgttttca	gcactgatgg	aaaataccag	tgttggggtt	tttttt		466

<210> 376

<211> 324

<212> DNA

<213> Homo sapiens

<400> 376

tccttatttta	tttaacttca	cccgagttcc	tctgggtttc	taagcagtta	tggatgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tgggtacatc	120
aagttcatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatcttt	tcatgcttga	catacctacc	agtattattc	240
ccgacgacac	atatacatat	gagaatatac	cttattttatt	tttgagttagg	tgtctgcctt	300
cacaaatggc	attgggtact	ccag				324

<210> 377

<211> 326

<212> DNA

<213> Homo sapiens

<400> 377

tccttatttta	tttaacttca	cccgagttcc	tctgggtttc	taagcagtta	tggatgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tgggtacatc	120
aagtccatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatctct	tcatgcttga	catacctacc	agtattattc	240
ccgacgacac	atatacatat	gagaatatac	cttattttatt	tttgagttagg	ggtctgcctt	300
cacaaatgtc	attgtctact	cctaca				326

<210> 378

<211> 494

<212> DNA

<213> Homo sapiens

<400> 378

atgccccgca	tagatgcgga	cctcaagctc	gacttcaagg	atgtcctgct	ccgacctaa	60
cggagcagcc	tcaagagccg	agccgaggtg	gatcttgaac	gcaccttcac	gtttcgaaat	120
tcaaagcaga	cctactcagg	gattcccatc	atcgtggcca	acatggacac	tgtgggcacg	180
tttgagatgg	cagccgtgat	gtcacagcac	tccatgttta	cagcaattca	taagcattac	240
tccctggatg	actgggaagct	ctttgccaca	aatcaccag	aatgcctgca	gaatgtagcc	300
gtgagttcag	gcagtgaggc	gaatgatctg	gaaaagatga	ccagcatcct	ggaagctgtg	360
ccacaggtta	agttttattg	cctggatgtg	gccaatgggt	attcaaaaca	ttttgtggaa	420

ttcgtgaaac ttgtccgtgc caaatttctt gaacacacca ttatggcagg gaacgtggtg 480
acaggagaaa tgggt 494

<210> 379

<211> 243

<212> DNA

<213> Homo sapiens

<400> 379

gccgtgcac catgccccgc atagatgcgg acctcaagct cgacttcaag gatgtcctgc 60
tccgacctaa gcggacagcc tcaagagccg agccgaggtg gatcttgaac gcaccttcac 120
gtttcgaaat tcaaagcaga cctactcagg gattcccatc atcgtggcca acatggacac 180
tgtgggcacg tttgagatgg cagccgtgat gtcacagcac tccatgttta cagcaattca 240
taa 243

<210> 380

<211> 804

<212> DNA

<213> Homo sapiens

<400> 380

gcaaatgttt gattaattct gctcatatgc acatctgaaa gcatgagaca cactccacag 60
acagcacgca ctggagctgg tggggcagat gggcactcgc cgattaggta ttaatgtcaa 120
taatacgtgc ataaagtgtc gataaaataa cttaagtgtt acaaaaacag acagtccacg 180
gtggctgcag gcacatgcag gcgggactgg gtcagacact ccagggtgc acatgttcca 240
gctggcctga gtccgacacg tcatagctgg ccttgtactt ggccaggatt ttcattgagg 300
gccgtagctt gagccaccac tgttcttttg gaatcctgtg ctcaaaatcc gtttgcttct 360
tcagctctgc cacagggttg aaaaataacg tttcttttgc ttattcccag cacacaaatg 420
gaatcatcgg tggtaaattt ttttctctg ccccgggcct ccttgagttt tgcagtgate 480
cactccatag ctctggcaga gatnttggtt ccaaagtttc tatcaaatgg agagggtgcc 540
ccacctgct gcatgtgacc cagcacgttc ttctgcagt caaacacgcc tttgccctct 600
tctgaatata gctggtaaat gaagtcgggtg gtgtagtttt cactgcagct ctcatctctg 660
agcacaaggc ctctctggat ggtggtcttc attttctccg tcagggtgctc cacgttggac 720
tgcagatcct gatgtcgaag ggctcttcga aatgtatgcg gcatcagtcg ggccgcagcc 780
ccccatgttg gcaggtagca cagt 804

<210> 381

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 514

<223> n = A,T,C or G

<400> 381

tggagttgta ggcaaatgtt taattaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca gacagcacgc actggggctg gtggggcaga tgggcactcg ccgattagg 120
attaatgtca ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggcgggactg ggtcagacac tccagggtcg 240
cacatgttcc agctggcctg agtccgacac gtcatactgt gccttgtact tggccaggat 300
tttcatgagg ggccgtagct tgagccacca ctgttctttg ggaatcctgt gctcaaaatc 360
cgtttgcttc ttcagctctg ccacagggtt aaaaataacg tttcttttgc ttattcccag 420
cacacaaatg gaatcatcgg tggtaaattt ttttctctg ccccgggcct ccttgagttt 480
tgcagtgate cactccatag ctctggcaga gatnttggtt ccaaagtttc tatcaaatgg 540
agagggtgcc cacctgctg atgtgacccc acacgttctt cctgagtcga acacgccttt 600
gccctcttct gaatacaagc tgggt 624

<210> 382

<211> 507

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 301, 460, 498
<223> n = A,T,C or G

<400> 382
ttttttggag ttgtaggaaa tgtttaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca agacagcacg cactggggct ggtggggcag atgggcactc gcgattaggt 120
attaatgtta ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggcgggactg ggtcagacac tccagggctg 240
cacatgttcc agctggcctg agtcccagaca cgtcatagct ggccttgtag ttggccaggg 300
nttttcatga ggggccctag ctttgagcca ccacttgctt tttggggaat cctgtgcttc 360
aaaatcccgt tttgcttctt tcagctcttc ccacagggtt gaaaaataac gttttctttt 420
tgcttatttc ccagcacaca aatgggattc atcgggtggg aatttttttc ctctgccccg 480
gggcttcttg agtttttnca gtgattc 507

<210> 383
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 198, 219
<223> n = A,T,C or G

<400> 383
atcagatccc aaagaccaat tgcaacgtag ctgtcatcaa cgtgggggca cccgaggctg 60
ggatgaacgc ggccgtacgc tcagctgtgc gcgtgggcat tgccgacggc acaggatgct 120
cgccatctat gatggttga cggcttcgca agggccagat caaagaaatc ggctggacag 180
atgtcggggg ctggaccngc caaggaggct ccattcttng gaca 224

<210> 384
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 301, 460, 498
<223> n = A,T,C or G

<400> 384
ttttttggag ttgtaggaaa tgtttaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca agacagcacg cactggggct ggtggggcag atgggcactc gcgattaggt 120
attaatgtta ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggcgggactg ggtcagacac tccagggctg 240
cacatgttcc agctggcctg agtcccagaca cgtcatagct ggccttgtag ttggccaggg 300
nttttcatga ggggccctag ctttgagcca ccacttgctt tttggggaat cctgtgcttc 360
aaaatcccgt tttgcttctt tcagctcttc ccacagggtt gaaaaataac gttttctttt 420
tgcttatttc ccagcacaca aatgggattc atcgggtggg aatttttttc ctctgccccg 480
gggcttcttg agtttttnca gtgattc 507

<210> 385
<211> 224
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 198, 219
 <223> n = A,T,C or G

<400> 385
 atcagatccc aaagaccaat tgcaacgtag ctgtcatcaa cgtgggggca cccgcggctg 60
 ggatgaacgc ggccgtacgc tcagctgtgc gcgtgggcat tgccgacggc acaggatgct 120
 cgccatctat gatggtttga cggcttcgca agggccagat caaagaaatc ggctggacag 180
 atgtcggggg ctggaccngc caaggaggct ccattcttng gaca 224

<210> 386
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 386
 acgacagaag ggtacggctg cgagaagacg acagatgggt acggctgtga gaagacgact 60
 gatgggaaca gctaaggact gctaaacccc actctgcac aactgaacgc aaatcagcca 120
 ctttaattaa gctaagccct tactagacca atgggactta aaccacaaa cacttagtta 180
 acagctaagc accctaatac actggcttca atgtacttct cccgccgtcg gg 232

<210> 387
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 387
 tactggtttt ggagaacttg tctacaacca gggattgatt ttaaagatgt ctttttttat 60
 tttacttttt ttttaagcacc aaattttgtt gttttttttt ttttctccct tccccacaaa 120
 tcccttttaa aatatttttg ttaacccctt ttccaacggg ccgaggaaac ttaaaacccc 180
 tttttctctg gcctggttcc tctttaattt ttaatttttc cccatcagtt taaaggtttt 240
 ggcatacttg gcatcttttt tcaaagggaa aacttttttt gccattcttt ggacttcccc 300
 ttttttaaag gaaatggggg ggccaaaagg ggatttcaa 339

<210> 388
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 388
 tttttttttt tttttttttt ttttaaccatc aaattcacag ctatttttctg ctttttagtgt 60
 gctcacagaa aattagaaca ccttaagcag gagtttaata gcattttttg taagcaaagt 120
 tacattccat ctctaagtca aattggtcaa agcttctcca gtatttataa aacatgatag 180
 acaagatgct acacaaaacc attgcatctg aagattttgt tttcctttat tctcaaagac 240
 gactggaaaa gaaagcatta tctgctgtaa tcaaaaacat accacagtat aaacagttac 300
 cattccactt atcacagctt ggttgagttt agaattagtg ttttaaaaag tccaagatga 360
 ctgcagtttt acaaaaatgg gcagggtgga aagttgcaaa cttcatgtgc ttctggatat 420
 caagatttgt ttttatataa tagtcacagt taaaaa 456

<210> 389
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 389
 ttacattgaa tactacatat gtcgagggaa tgcagaaaga gttaaggaag gcaggttgct 60
 ctgctatgga ggccactctt cgttttccat gtactgcatg ctgtttgtgg cactttatct 120
 tcaagccagg atgaaggag actgggcaag actcttacc cccacactgc aatttgggtct 180
 tgttgccgta tccatttatg tgggcctttc tcgagttgct gattataaac accactggag 240
 cgatgtgttg actggactca ttcagggagc tctgggtgca atattagttg ctgtatatgt 300

atcggatttc ttcaaagaaa gaacttcttt taaagaaaga aaagaggagg actctcatac 360
aactctgcat gaaacaccaa caactgggaa tcactatccg agcaatcacc agccttgaaa 420
ggcagcaggg tgcccagggt aagctggcct gttttctaaa ggaaaatgat tgccacaagg 480
caagaggatg 490

<210> 390
<211> 334
<212> DNA
<213> Homo sapiens

<400> 390
gaactcgggtg gtggccactg cgcagaccag acttcgctcg tactcgtgcg cctcgtttcg 60
cttttctctc gcaaccatgt ctgacaaacc cgatatggct gagatcgaga aattcgataa 120
gtcgaaactg aagaagacag agacgcaaga gaaaaatcca ctgccttcca aagaaacgat 180
tgaacaggag aagcaagcag gcgaatcgta atgaggcgtg cgccgccaat atgactgta 240
cattccacaa gcattgcctt cttattttac ttcttttagc tgtttaactt tgtaagatgc 300
aaagagggtg gatcaagatt aaatgactgt gctg 334

<210> 391
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 349
<223> n = A,T,C or G

<400> 391
gaactcgggtg gtggccactg cgcagaccag acttcgctcg tactcgtgcg cctcgtttcg 60
cttttctctc gcaaccatgt ctgacaaacc cgatatggct gaggtcgaga aattcgataa 120
gtcgaaactg aagaagacag agacgcaaga gaaaaatcca ctgccttcca aagaaacgat 180
tgaacaggag aagcaagcag gcgaatcgta atgaggcgtg cgccgccaat atgactgta 240
cattccacaa gcattgcctt cttattttac ttcttttagc tgtttaactt tgtaagacgc 300
atagagggtg gatcaagttt aaatgactgt gctgcccctt tcacatcana gaactactga 360
caacgaaggc cgcgcct 377

<210> 392
<211> 555
<212> DNA
<213> Homo sapiens

<400> 392
ctcggtggtg gccactgcgc agaccagact tcgctcgtae tcgtgcgcct cgcttttgctt 60
ttcctccgca accatgtctg acaaaccga tatggctgag atcgagaaat tcgataagtc 120
gaaactgaag aagacagaga cgcaagagaa aaatccactg ccttccaaag aaacgattga 180
acaggagaag caagcaggcg aatcgtaatg aggcgtgcgc cgccaatatg cactgtacat 240
tccacaagca ttgccttctt attttacttc ttttagctgt ttaactttgt aagatgcaaa 300
gaggttgat caagtttaaa tgactgtgct gcccttttca catcaaagaa ctactgacaa 360
cgaaggccgc gcctgccttt cccatctgtc tatctatctg gctggcaggg aaggaaagaa 420
cttgcatgtt ggtgaaggaa gaagtgggtt ggaagaagtg gggggggacg acagtgaat 480
ctagagtaaa accaagctgg cccaaggtgt cctgcaggct gtaatgcagt ttaatcagag 540
tgccattttt ttttt 555

<210> 393
<211> 300
<212> DNA
<213> Homo sapiens

<400> 393
gctcaattgg actatgttga cctctatctt attcattctc caatgtctct aaagccagggt 60

gaggaacttt	caccaacaga	tgaaaatgga	aaagtaatat	ttgacatagt	ggatctctgt	120
accacctggg	aggccatgga	gaagtgttaag	gatgcatgat	tggccaagtc	cattgggggtg	180
tcaaacttca	accgcaggca	gctggagatg	atcctcaaca	agccaggact	caagtacaag	240
cctggctgca	accaggtaga	aagtcattcg	tatttcaacc	ggagtaaatt	gctagaatcg	300

<210> 394
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 394	
acagaagggg	acggctgcga gaagacgaca gaagggtagc gctgcgagaa gacgacagaa 60
gggtacggct	gcgagaagac gacagaaggg taaaacactg aactgacaat taacagccca 120
atatctacaa	tcaaccgaca agtcattatt accctcactg tcaacccaac acaggcatgc 180
tcataaggaa	aggttaaaaa aagtaaaagg aactcggcaa atcttacctc gcctgtttac 240
caaaaacatc	acctgtagca tcaccagtat tagaggcacc gcctgccagc tgacacatgt 300
ttaacggccg	cggtagcccta accgtgcaaa ggtagcataa tcac 344

<210> 395
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 395	
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gactagcacc	gcgctcggca ggcagagccc tacactcgcc cgcgccatgg cctctgtctc 120
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ggataagatc	aatgccctca ttaaagcagc cgggtgtaaat gttgagcctt tttggcctgg 240
cttgtttgca	aaggccctgg ccaacgtcaa cattgggagc ctcatctgca atgtaggggc 300
cgggtggacct	gctccagcag ctggtgctgc accagcagga ggtcctgcc cctccactgc 360
tgctgctcca	gttgaggaga agaagtgga agcaaagaaa gaagaatccg aggagtctga 420
tgatgacatg	ggctttggtc tttttgacta aacctctttt ataacatgtt caataaaaag 480
ctgaacttta	aaaaaaaaaa aaaaaaa 507

<210> 396
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 396	
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cgatgaggtg	acagtcacgg aggataagat caatgccctc attaaagcag ccggtgtaaa 180
tgttgagcct	ttttggcctg gcttgtttgc aaaggccctg gccaacgtca acattgggag 240
cctcatctgc	aatgtagggg ccggaggacc tgctccagca gctggtgctg caccagcagg 300
aggtcctgcc	ccctgcactg ctgctgctcc agttgaggag aagaaagtgg aagcatagaa 360
agaagaatcc	gacgagtctg atgatgacat gggctatggt ctttttgact aaacctcttt 420
tataacatgt	tcaataaaaa gctgaacttt aaaaagaaaa aaaaaaaact cgagcctcta 480
gaactata	

<210> 397
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 397	
ctgcgttggg	gtgaggccct cacttcatcc ggcgactagc accgcgtccg gcagcgccag 60
ccctacactc	gcccgcgcca tggcctctgt ctccgagctc gcctgcatct actcgccct 120
cattctgcac	gacgatgagg tgacagtcac ggaggataag atcaatgcc tcattaaagc 180

<210> 398
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 12, 154, 255, 348, 368, 402, 409, 450, 471
 <223> n = A,T,C or G

<400> 398
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 atagttgggtt gcattgtttg tatgtagatc tttttacatt atatggtaat gtacactact 120
 gatatagttc acaaaataag atccttttga aganttatac acaagacatg atattggatt 180
 tatacactgg atcccaggga tgtgactcac tgggaaaaaa tgttggacta ggcattgttca 240
 gtgaaggagc caggnaagtta tataacacac ggtaaaccatc cacctggctc aaggggcaaa 300
 tgcagtacgt acagcattgg cagtgggtgcg tcagagggtg cagaactntt tcacactaac 360
 cagttganga ctacacaaga ttaataccat ccagcatcag gntatagcgt gtggatttta 420
 caaaccattt cttattttcta acttttcagg gttgatgttt ttcccagtc ntcttaaaat 480
 ttttactgct t 491

<210> 399
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 399
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 ttcaatcttc gacagctggg ctggaacgtg aactcagtag ctgaacctgt ctgacccggg 120
 cacgttcttg gatcctcaga actctttgct cttgtcgggg tgggggtggg aactcacgtg 180
 gggagcgggtg gctgagaaaa tgtaaggatt ctggaatata tattccatgg gactt 235

<210> 400
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 400
 tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg atttctgtgg 120
 atcccagctt ggttccagga attttgtgtg attggcttaa atccagtttt caatcttcga 180
 cagctgggctt ggaacgtgaa ctcaagtagct gaacctgtct gaccgggtca cgttcttggg 240
 tcctcagaac tctttgctct tgcgggggtg ggggtgggaa ctcacgtggg gagcgggtggc 300
 tgagaaaatg taaggattct ggaatacata ttccatggga ctttccttcc ctctcctgct 360
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 cggccagtgc ggctgccagg ttctgttact actgccttgt acttt 465

<210> 401
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 401
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 cacgttcttg gatcctcaca actctttgct cttgtcgggg tgggggtggg aactcacgtg 180
 gggagcgggtg gctgagaaaa tgtaaggatt ctggaatata tattccatgg gactttcctt 240
 ccc 243

<210> 402

<211> 506
 <212> DNA
 <213> Homo sapiens

<400> 402
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 cctctcctcc acagcccca cctcccaccc ctgatacatg agccagtgat tattcttggt 180
 cagggagaag atcatTTaga tttgttttgc attccttaga atggagggca acattccaca 240
 gctgccctgg ctgtgatgag tgtccttgca ggggcccggag taggagcact ggggtggggg 300
 cggaattggg gttactcgat gtaagggtt ccttggttgg gtgttgagat ccagtgcagt 360
 tgtgatttct gtggatccca gcttggttcc aggaattttg tgtgattggc ttaaattccag 420
 ttttcaatct tcgacagctg ggctggaacg tgaactcagt agctgaacct gtctgacctg 480
 gtcacgttct tggatcctca gaactc 506

<210> 403
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 403
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 ttcttagcag ttgattgata ttgctgcaga ccacaaacag tgtgtttaat aaaaccctgc 120
 taaagcaggt aataccgag actctcctgt cctggcaaag agtccgtgtg gccaatatga 180
 tggcagatag tggcaagagg tgggcagaca tcttttcaaa atacaactct ggcacctata 240
 acaatcaata catggttctg gacctgaaga aagtaaagct gaaccacagt cttgacaaaag 300
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 ttctacggaa aggatattgg ccctcctaca 390

<210> 404
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 404
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 ctggagggtga cgctactgag aactttgagg atgtcgggca ctctacaaat gccagggaaa 180
 tgtccaaaac attcatcatt ggggagctcc atccagatga cagaccaaag ttaaacaagc 240
 ctccggaaaac tcttatcact actattgatt ctagtccag ttggtggacc aactgggtga 300
 tccctgccat ctctgcagtg gccgtgcgct tgatgtatcg cctatacatg gcagaggact 360
 gaacacctcc tc 372

<210> 405
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 405
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 ggggtgatccc tgccatctct gcagtggccg tcgccttgat gtatcgcta tacatggcag 480
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 tatactctct tctttttct 619

<210> 406
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 406
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 ctgtgggctt gctcaaagcc ctgctggagc agactggggc tcaaggatgg ctgtcgggcc 180
 cagttctaag cccatatgag gacatcctat gggaccccag cactccaccc cggactccac 240
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 gactggaggc ttgcttggac agttcctctg tgtcactgac acaggaaatc atttctagga 360
 cacagtgatc agggaagggt gcctgggact tggagggtcc catgtatgga cctgtgtatg 420
 caatactgtt ctgtcatctg gagctatatt taagatgtgt gtgttaaata tatacatagt 480
 ttaatatata aaaaaaaaaa 499

<210> 407
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 407
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 aacccattc cctgagcctg gagcagagcc ccctctcact gtgggcttgc tcaaagccct 120
 gctggagcag actggggctc aaggatggct gtcggggcca gttctaagcc catatgagga 180
 catcctatgg gaccccagca ctccacccc gactccacct cgggacct 229

<210> 408
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 408
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 ttaccagaag ctctgatttg aagagaataa atggattttg cacaaaacca caggaaagtc 180
 ccggagctcc atcccgact tacaacagag tgcctttaca caaacctacg gattggcaga 240
 aaaagatcct catatggtca ggtcgcttca aaaaggaaga tgaaatccca gagactgtct 300
 cgttggagat gcttgatgct gcaaagaaca agatgcgagt gaagatcagc tatctaata 360
 ttgccctgac ggtggttaga tgcattctca tggttattga gggcaagaag gctgcccata 420
 gacacgagac ttaacaagc ttgaacttat aaaagaaagc tcgtctg 467

<210> 409
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 409
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 cctggcagca ggaagctgtt ttaggttatg tgaaagagat gtttcctcat ctctaaggct 120
 taccagaagc tctgatttga agagaataaa tggattttgc acaaaaccac aggaaagtcc 180
 cggagctcca tcccgactt acaacagagt gcctttacac aaacctacgg attggcagaa 240
 aaagatcctc atatggtcag gtcgcttcaa aaaggaagat gaaatcccag agactgtctc 300
 gttggagatg cttgatgctg cagagatcaa gatgagag 338

<210> 410
 <211> 601
 <212> DNA
 <213> Homo sapiens

<400> 410

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aagggggggg cagtccccac catatttgag tctttctcca agttgcgccg gacaaccaag 180
accaaaggac acagttaccc acctggcccc tctgaagtca gccggctcag acgatgcagg 240
aagcgctgct ccgagggccg agggcccaca actccatttt ctccacctcc acctgctgat 300
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caggcagatg aagcaggctg cagcgcccag ccttcaccag agcggcagcc ctcccccttc 480
gaaccacggc cagtctcccc ctacgcgtat atgctgcgcc tgccccacc cgccggagcc 540
tacatccaga atgaacacag ctaccagggtg ggcagcgccct tactctggaa gcggcgagcc 600
g . 601

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<210> 411
<211> 52
<212> DNA
<213> Homo sapiens

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<400> 411
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<210> 412
<211> 525
<212> DNA
<213> Homo sapiens

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<400> 412
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acttcgatgt gaggcctcag tctggggcaa atgggcttcc caaacactcc tactgggttg 180
acctctggct tttcatcctt ttcatgtggt tgggtgttct ctttgtgtat tttttgccat 240
gacttggttc ctgatatcta aattaagaag ttggttcttg agtgaattct gaaaatggct 300
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acccttcctt tcattttaca ctttggtact aatttgcaga actctattaa ttgggttagga 420
tttcacccat tcctagctaa gttcttaaaa ttaaaccctt tgggttcgtgt ttaaaaaactt 480
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<210> 413
<211> 604
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 12, 14, 18, 20, 24, 27, 29, 31, 33, 35, 54, 594, 595
<223> n = A,T,C or G

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<400> 413
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gatttcaccc attcctagct aagttcttaa aattaaaccc tttggttcgt gtttaaaaaac 540
tttcaaacat ctgatggctt tacaggggct gaatataaaa gcatttgtac ttannaaaaa 600
aaaa 604

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<210> 414
<211> 285

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<212> DNA
<213> Homo sapiens

<400> 414
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tgaattgtct taaatatttt ggggatactc cccgccttt taaacagggc ataagatctg 180
gtaaacctctc tgtatatctt cctacctttc aaaatcggtc ttagggttag tcaagtctgg 240
aatataattg ctgactataa agttagcaat tatgctttta ggtga 285

<210> 415
<211> 241
<212> DNA
<213> Homo sapiens

<400> 415
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aaagtcagca tcattttccag atagaaaagg ctctagttga gaaacttcag caggattttg 120
tagctgactg gtgctctgag ggagagtgc tagcagctat taactccacc tataatactt 180
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a 241

<210> 416
<211> 315
<212> DNA
<213> Homo sapiens

<400> 416
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ttttctccgg tccaggcttc acagttagga agaactttta acttgacagc aggctctctg 120
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acgccctcgg gcagtcgcac caagcagagg cttccaggcc agaagccttt taaaagggtcc 240
ctgagagggt cagatgcttt gagtgcagacc agctcagtc gtcattattga agacttagaa 300
aagggtggagc gccta 315

<210> 417
<211> 164
<212> DNA
<213> Homo sapiens

<400> 417
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tttattacat tatttagaaa gagaatgagt gtgttatgag gataatgtta tatacagtct 120
aagtggatgt ttctgttttg cacagaatgt aggtatttctg aaac 164

<210> 418
<211> 206
<212> DNA
<213> Homo sapiens

<400> 418
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gccaaagtgg atgtttctgt ttggcaagga aggtaggatt tctgaaactc aggccttaac 120
caataggttg gaagacaaga ccaattgaag agttaggaaa tgtgagtttt tgttacttct 180
gttattccag tcttggtttc attgtc 206

<210> 419
<211> 238
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 159, 227
 <223> n = A,T,C or G

<400> 419
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 actggagaaa acatatattt ctattctgag acaacaatca gaatacagac tttggattcc 120
 aggtcacagt ttgcttttta gacaaggtaa agcaaagana gccacattgt gccatcttca 180
 gctccagtgg ctttagcagt gactgtttga cataaaacat gtaaganttg cttgttgg 238

<210> 420
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 420
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 ccaagcacc cgggtcttta cacagtccgc gtccacagac tctgacgaag acgtggatct 180
 gctctcgctt tagctgctcg cggctctcca gatcatgtcc gcgactcctg cgactccgcg 240
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 gccagcgccc atcccgctcc accc 504

<210> 421
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38, 93, 94, 95, 422, 440, 467, 474, 508, 519, 529, 535, 554,
 557, 561, 565, 584, 594, 604, 619, 641, 655, 674, 679, 690,
 695, 702, 704, 706, 712, 716, 724, 734, 737, 740, 743, 780,
 781, 808, 813
 <223> n = A,T,C or G

<400> 421
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 aagacgtgga tctgctctcg ctttagctgc tcgcggtcct ccagatcatg tccgcgactc 240
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 aagggttttc tctacgtgct gttgctcatg ggtttttgtc ggagccccc aaagccttccg 420
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 tcaaacggcg ggtnccaana acccttgcen ccatngaaac cnantnggaa cncctngggg 720
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<210> 422
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 422
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 actcttctgc aggcg 375

<210> 423
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 423
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 tgcgcctcgc tgccctggacc gggctctgagc gcggctgccc aggttgacct ttctgcggga 360
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<210> 424
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 424
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 aggtgcttta aaaaagatgc atgaggaaga acaccatcaa caaatgtcca tcttacaact 120
 gcaactgata caaatgaat 139

<210> 425
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 425
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 agaccaagac caccaagaag cgccctcagc gtgcaacatc caatgtgtt gccatgtttg 120
 accagtcaca gattcaggag ttcaaagagg ccttcaacat gattgatcag aacagagatg 180
 gcttcacga caaggaagat ttgcatgata tgcttgcttc tctaggaag aatcccactg 240
 atgcatacct tgatgccatg atgaatgagg ccc 273

<210> 426
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 426
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<210> 427
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 427
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 aaagttggaa gcttgagtg cctaagcctg cttgtagcca gtgatgccca aattgattta 360
 tgtag 365

<210> 428
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 428
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 tctcctgctt cctcttttcc tgctccctaa cctttcgccg aatggggcag caccactga 119

<210> 429
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 130, 185, 246, 256, 336, 361, 385, 412
 <223> n = A,T,C or G

<400> 429
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 atcctgggan taaaaatcca tttttcttaa taatttatgt atagcccaac ttttagaaca 180
 tagantatta tcaatttggc ttcccaaact acaaagtcct gtttataatt ttttctagcc 240
 aaggancaga gtaggntcaa caggcatatt aaagtaattt agttaaccct gaggttaatta 300
 ctaacttggc ataatttttg aatgggggtat atatanca ctttccatct ggcacttagg 360
 ntacttatta ctattcacac tacnttttg gtatttatcc acctcaattt tncaacttcc 420
 t 421

<210> 430
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 430
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 taacctatgg agtgttcctt tgcattgatt gctcagggtc ccaccggtca cttggtgttc 240
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 ccaatgacac caatgccaa gacaacagtc gtgctgctca gctctatagg gagaaaatca 420
 aatcgctcgc ctctcaagca acacggaagc atggcactga tctgtggctt gatagttgtg 480
 t 481

<210> 431
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 431
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 gctgtccttt ggctgtaccc acttgggaaga gaaagaaaaa gaaaaaaaaa aaaaaaaaaa 120
 aaaatttttt tttttt 136

<210> 432
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 432
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 ctctgatgaag actgtgaaaa gaatagtaag agggactact taagttctag ttttctatgt 120
 tctgatgatg atagagcttc taaaaatatt tctatgaact ctgattcatc ttttcctgga 180
 atttctataa tggaaagtcc attagaaagt cagcccttag attcagatag aagcattaaa 240
 gaatcctctt ttgaagaatc aaatattgaa gatccactta ttgtaacacc agattgccaa 300
 gaaaagacct caccaaaagg tgtcgagaac cctgctgtac aagagagtaa ccaaaaaatg 360
 ttaggtcctc ctttgagggt gctgaaaacg ttagcctcta aaagaaatgc tgttgctttt 420
 cgaagtttta acagtcatat taatgcatcc aataactcag aaccatccag aatgaacatg 480
 acttcttttag atgccaatgg atatttcgtg tgcctacagt ggttcatatc ccatggctat 540
 aaccctact caaaaaagaa gatcctgtat gccacatc 578

<210> 433
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 37
 <223> n = A,T,C or G

<400> 433
 gcctaggtgc ccaggctatg atgagtctgc ttttnangga ggtagggaaat gacatcttcc 60
 ttggacccaa agcttaaaaag taatgtatgc tttgctgacc actgtttgtt aggccttaaa 120
 caacattcac tgtggtggtg tcaggcacac tgctatgtgc atcaattatt tttttgcttt 180
 ccaaacagaa tctctggggc acaagtttta cactcaagct aagtataac 229

<210> 434
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 434
 tggtagcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cggcgctcatg 60
 gagctgacct ggttcccatc tactcctttg gagagaatga agtgtacaag caggtgatct 120
 tctgaggagg ctccctggggc cgatgggtcc agaagaagtt ccagaaatac attggtttcg 180
 ccccatgcat ctcccatggt cgaggcctct tctcctccga cacctggggg ctggtgccct 240
 actccaagcc catcaccact gttgtgggag agcccatcac catccccaag ctggagcacc 300
 caaccagca agacatcgac ctgtaccaca ccatgtacat ggaggccctg gtgaagctct 360
 tctgacaagca caagaccaag ttcggcctcc cggagactga ggtcctggag gtgaactgag 420
 ccagccttcg gggccaattc cctggaggaa ccagctgcaa atcacttttt tgctctgtaa 480
 atttgggaagt gtcattgggtg tct 503

<210> 435
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 435
 gcgtcatgga gctgacctgg ttcccatcta ctcttttga gagaatgaag tgtacaagca 60
 ggtgatcttc gaggagggct cctggggccg atgggtccag aagaagttcc agaaatacat 120
 tggtttcgcc ccatgcatct tccatggtcg aggcctcttc tctccgaca cctgggggct 180
 ggtgcctact ccaagcccat caccactgtt gtgggagagc ccatcaccat cccaagctg 240
 gagacca 248

<210> 436
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 436
 atcttgtctc ttttcatcgt gatggtgtga tgctgacgag aatatcttat gctttcttca 60
 gcctgttgca atctgagcca atgattttct ttgactgat cctttctact ctggagagaa 120
 gctcttttga cacagatcct gccccgttta atagactcca gctgctggca ctgccttctg 180
 agttctttca cttccgaatt cttatcgtcc tgcagcccca ccacagtcaa tgactaagtt 240
 cctctggact ttcacatgga tcgtaataga caacttcac cgtgtttttct taccagaccc 300
 taaaatgtgc ctccaagaca gtcgtgggaa cagtatggag ccagcagcag aagccactca 360
 cgaaccaatg gaggagaaca actcagaaac agacccaagt caatctaagg ttttaactttt 420
 ataagtcttt caagagagtc caactgtgta gtaagca 457

<210> 437
 <211> 589
 <212> DNA
 <213> Homo sapiens

<400> 437
 gcttccaggt ctcttccag catccacaca agtacctgct ccactacctg gtttccctcc 60
 agaactggct gaaccgccac agctggcagc ggacccctgt tgccgtcacc gcctggggcc 120
 tgctgcggga cagctaccat ggggcgctgt gcctccgctt ccaggcccag cacatcgccg 180
 tggcggtgct ctacctggcc ctgcaggctc acggagttga ggtgcccgcc gaggtcgagg 240
 ctgagaagcc gtggtggcag gtgtttaatg acgaccttac caagccaatc attgataata 300
 ttgtgtctga tctcattcag atttatacca tggacacaga gatccctaa ggtcctggcc 360
 caggcctgcc caaagagaag cccaggatgg tcggctgcct ggggacattg tcaccacgtc 420
 gccatgacgg ctggtcccca caggaccagc tgggaggact ggttgtgctg ctggagaagg 480
 gctggagaag gcaatggcat gctgccgctt tgccagtcct taaaagtcgc ggtgcagggtg 540
 atggtgggag ccgcgcctcc agcgggcagg ccgggagtggt actgtgtgc 589

<210> 438
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 438
 cgcttccagg tctctttcca gcattccac aagtacctgc tccactacct ggtttccctc 60
 cagaactggc tgaaccgcca cagctggcag cggacccctg ttgccgtcac gcctggggcc 120
 ctgctgcggg acagctacca tggggcgctg tgccctccgt tccaggccca gcacatcgcc 180
 gtggcggtgc tctacctggc cctgcaggtc tacggagttg aggtgcccgcc cgaggtcgag 240
 g 241

<210> 439
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 439
 ttcagctctg caaacactgt cacatccttt cctggaaggg cactgaccat ccgtgcactg 60
 ccaataaccc agagagctgc tccgtttcac tttcacccca ggactttatc aacttgttca 120
 agttctgaat cccagcacat gacaacactt cagaagggtc cccctgctga ctggagagct 180
 ggggaatatg catttgga cttcatttgt aaatagtgt c 221

<210> 440
 <211> 228
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 191
 <223> n = A,T,C or G

<400> 440
 gagctttctt aataaccgta cttctcaaaa tcagagtttt actgtttcaa taaatgttca 60
 ccctagattg taagtttttt gttgttgagc cctagatttt tttctactag tgtaaattctg 120
 tattccctcc aagtatggtg ataaggggac tgagttctat ttacatttgt acaatcacta 180
 ctttacctgt ngatatttgca gtaagtcttt tgagccctat taaacctg 228

<210> 441
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 441
 tttcttaata accgtacttc tcaaaatcag agttttactg tttcaataaa tgttcaccct 60
 agattgtaag ttttttggtg ttgagcccta gatttttttc tactagtgt aatctgtatt 120
 ccctccaagt atggtgataa ggggactgag tcttatttac atttgtaaa tcactacttt 180
 acctgttgta tttgcagtaa gtcttttgag ccctattaaa cctgtcaatt ttcttgtcct 240
 gtcagaaaac tgagattttg gtcaaaaaat ggatgttatt aacaaagggg aacaatatag 300
 atgtcttagt acaaagaaaa tgaaatgtaa gaggagattg tctggagttc aggggataga 360
 gtgtcaagtc ttaaattggtt acatcttttt gctaagtgtt actcagaata tagttacaaa 420
 tatggtagt aaatatctag ctgaaatttg tttgtcccat gagcttctca catgagtcta 480
 ctgggcaatt ttatgtgagt ttgggtcaaa attggtaatc tcttttatct t 531

<210> 442
 <211> 147
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 112
 <223> n = A,T,C or G

<400> 442
 aacttgttac ccaataacaa tttaatgtta aatttggctt tcttctgtgt ccagcctct 60
 taaattaata gatgggcctt tccattatca ttatgaccgg acattgtaaa gnacttaagg 120
 taacaccag ttttctatta cttgccc 147

<210> 443
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 443
 acctgaagaa tattagaaga aattgtgcac cctccacaaa acatacaaag tttaaaagt 60
 tggatctttt tctcagcagg tatcagttgt aaataatgaa ttaggggcca aaatgcaaaa 120
 cgaaaaatga atcatctaca tgtagttagt aatttctagt ttgaactgta attgaatatt 180
 gtggcttcat atgtattatt ttatattgta cttttttcat tattgatggt ttggacttta 240
 ataagagaaa ttccatagtt tttaatatcc cagaagtgag acaatttgaa cagtgtattc 300
 tggaaaacaa cacactaact gaacagaagt gaatgcttat atatattatg atagccttaa 360
 acctttttcc tctaattgct taactgtcaa ataattataa ctttttaaag cataggacta 420
 tagtcagcat gctagactga gaggtaaaca ctgatgcaat tagaacaggt actgatgctg 480
 tcagtgttta acactatggt tagctgtggt tatgctat 518

<210> 444
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 444
gctgctcatg agcagcatgg acgacctgat acgccactgt aacgggaagc tgggcagcta 60
caaaatcaat ggccgg 76

<210> 445
<211> 308
<212> DNA
<213> Homo sapiens

<400> 445
gagcattatg agcattatgt cagaatagaa tagaattggg gttcgatctt aacaggccag 60
aaatgcctgg gtttttttgg tttgtttttg tttttgtttt tttatcaaat cctgcctgac 120
tgtctgcttg ttttgcctac catcgtgaca tctccatggc tgtaccacct tgtcgggtag 180
cttatcagac tgatgttgac tgttgaatct catggcaaca ccagtcgatg ggctgtctga 240
cattttggta tctttcatct gaccatccat atccaatgtt ctcatthaaa cattaccag 300
catcattg 308

<210> 446
<211> 530
<212> DNA
<213> Homo sapiens

<400> 446
tgtgttaatg ttttctagca tgtactctgg tttcaacaga cacaaattta tatgttaacc 60
cagttttctt gccgttctgt aagtgtttta ttcttagtgt gatttttttc cattgggatg 120
tttttgattg aacttgttca tttgttttg cttgggagga aaataaaca ttttactttt 180
ttccttttagg agcattatga gcattatgtc agaatagaat agaattgggg ttcgatctta 240
acaggccaga aatgcctggg tttttttggt ttgtttttgt ttttgttttt ttatcaaate 300
ctgcctgact gtctgcttgt tttgcctacc atcgtgacat ctccatggct gtaccacctt 360
gtcgggtagc ttatcagact gatgttgact gttgaatctc atggcaacac cagtcgatgg 420
gctgtctgac attttgggtat ctttcatctg accatccata tccaatgttc tcattthaac 480
attaccagc atcattgttt ataatcagaa actctgggtc ttctgtctgg 530

<210> 447
<211> 104
<212> DNA
<213> Homo sapiens

<400> 447
ggacgtgcct ggaaccacct cgtccacgtc cacgtccacc tgggggcctc gggaggctag 60
gcccctctc aaaggccac cagcccggcg ctcatgctga gcc 104

<210> 448
<211> 417
<212> DNA
<213> Homo sapiens

<400> 448
tatctttcat ctgaccatcc atatccaatg ttctcattta aacattaccc agcatcattg 60
tttataatca gaaactctgg tccttctgtc tgggtggcact taaagtcttt tgtgccataa 120
tgcagcagta tggagggagg attttatgga gaaatgggga tagtcttcat gaccacaaat 180
aaataaagga aaactaagct gcactgtggg ttttgaaaag gttattatac ttcttaacaa 240
ttcttttttt cagggacttt tctagctgta tgactgttac ttgaccttct ttgaaaagca 300
ttcccaaaat gctctattht agatagthta acattaacca acataattht ttttagatcg 360
agtcagcata aatthtctaag tcagcctcta gtcgtggthc atctctthca cctgcat 417

<210> 449
<211> 630
<212> DNA
<213> Homo sapiens

<400> 449
 tttttttttt tttttttttt ttggaatcgc aagaattccc aggcctcttt tttattttaca 60
 gtgataccaa accatccact tgcaaattct ttggtctccc atcagctgga. attaagtagg 120
 tactgtgtat ctttgagatc atgtatttgc ctccactttg gtggatacaa gaaaggaagg 180
 cactgaacagc tgaaaaagaa gggatcacac ccgctccagc tggaatccag caggaacctc 240
 tgagcatgcc acagctgaac acttaaaaga ggaaagaagg acagctgctc ttcattttatt 300
 ttgaaagcaa attcatttga aagtgcataa atgggtcatca taagtcaaac gtatcaatta 360
 gaccttcaac ctaggaaaca aaattttttt ttctatttaa taatacacca cactgaaatt 420
 atttgccaat gaatcccaaa gatttggtac aaatagtaca attcgtattt gctttcctct 480
 ttcctttctt cagacaaaca ccaaataaaa tgcaggtgaa agagatgaac cactgactaga 540
 ggctgactta gaaattttatg ctgactcgat ctaaaaaaaa ttatgttggt taatgttaaa 600
 ctatctaaaa tagagcattt tgggaatgct 630

<210> 450
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 450
 tttttttttt tttttttttt tttggggtaa aagttatatc ttattgccat gctacaaaat 60
 gtatgaagtt ggcactgata gggagaaata gagaacaaag ggtgggaagg gatagaggga 120
 aaattatggt gttacatata caacaagggt ttattttaat taacagtggg tacgttttgc 180
 caatatataa aatgcaaacc aaaattttaa atgctgatct gaaacagcat taagatacaa 240
 tgtatgcata gtacagtatc acttatgtct ttttattaga gaaatatgga atgtttataa 300
 aagaaattaa ccatgggggt aaaattcata tttcatatac aatttggcaa tggtagtccc 360
 actgttggac aattttttat aaaagaaaaa attaaaaatc taataagcta cctttataca 420
 aagttgctat atttatgcct ttacgtagga aaaaaacatt tataatgcaa attaggacat 480
 acaatagtct tacaatacta tacaatgtaa tgaaaataaa acataacaca aagtttgtcc 540
 tttataaaat gtatattttg cattactaat gcaaagtgtg cactctggtg actact 596

<210> 451
 <211> 559
 <212> DNA
 <213> Homo sapiens

<400> 451
 tggcggggtg ctttccaaaa tggcggggtg gctgaaggct gcagccgcga atgccgtagg 60
 gcttttttcc agacttcaag ctcccattcc aacagtaaga gcttcttcca catcacagcc 120
 cttggatcaa gtgacaggtt ctgtgtggaa cctgggtcga ctcaaccatg tagccatagc 180
 agtgccagat ttggaagagg ctgcagcatt ttataagaat attctggggg cccaggtaag 240
 tgaagcggtc cctcttcctg aacatggagt atctgttgtt tttgtcaacc tgggaaatac 300
 caagatggaa ctgcttcacg cattggggacg tgacagtcca attgcaggtt ttctgcagaa 360
 aaacaaggct ggaggaatgc atcacatctg catcgagggt gataatatta atgcagctgt 420
 gatggatttg aaaaaaaaaa agatccgcga gtctaagtga aggggtcaaa ataggagcac 480
 atggaaaacc agtgattttt ctccatccta aagactgtgg tggagtcctt gtggaactgg 540
 agcaagcttg acttatatt 559

<210> 452
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 452
 tggcggggtg cgttccaaat ggcgcggtg ctgaaggctg cagccgcgaa tgccgtaggg 60
 cttttttcca gacttcaagc tcccattcca acagtaagag cttcttccac atcacagccc 120
 ttggatcaag tgacaggttc tgtgtggaac ctgggtcgac tcaaccatgt agccatagca 180
 gtgccagatt tggaaaaggc tgcagcattt tataagaata ttctgggggc ccaggtaagt 240
 gaagcgggtc ctcttcctga acatggagta tctgttgttt ttgtcaacct gggaaatacc 300
 aagatggaac tgcttcattc attgggacgt gacagtccaa ttgcaggttt tctgcagaaa 360
 aacaaggctg gaggaatgca tcacatctgc atcgagggtg ataataattaa tgcagctgtg 420


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atggatttga aaaaaaaaga agatccgcag tctaagtga ggggtcaaaa taggagcaca 480
tgga aaacca gtgatttttc tccatcctaa agactgtggt ggagtccttg tggaactgga 540
gcaagcttga cttatatttg caagcaacta aattaattga cctgaaaaag cctatcaaat 600
actatcaaaa tgtactatga cattgagtcc ttcactgc 638

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<210> 453
<211> 57
<212> DNA
<213> Homo sapiens

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<400> 453
gactacattt ggggatgatg cattccttta agattgaatg attctgccct tgggcag 57

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<210> 454
<211> 538
<212> DNA
<213> Homo sapiens

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<400> 454
gccgggctgc taattctggt taattgttcc tgggctaaaa agaattagaa ggaagctgtc 60
tgtttccac tgcggttatg tticagtaaa ttagacgtac tttctgatga atactaatta 120
gccactgagc atttgcaccc actgtctttg ctggttgtgt gcagaacagc tgccaaagtg 180
cccaagaccc tcgctatccc atccccctct ctgtctttcc acttttgggc ttcctttgcc 240
tagattagaa gagatttcag ttccgagaaa gtaaaagggt atccaaggaa gtaatcacccg 300
agtgtctcat ggtttttcct tgttgacaaa attcaaaact cacacatgtg tagtctaattg 360
atagcgctag gatttaaaga aagtgtttta gtgctgtgct tatttaggac tacatttggg 420
gatgatgcat tcctttaaga ttgaatgatt ctgcccttgg gcagagctcc caattaggga 480
ggattaggta agctttttgt ggcgatgggt aataccattc ttttcctcat tgtgcctg 538

```

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<210> 455
<211> 548
<212> DNA
<213> Homo sapiens

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```

<400> 455
tgaatcagta ggaatgtggg gaagggagtg aggggagacc ccctccttga ctcagcagtg 60
gtgacggtcg gtgtgtcctg cagacctgaa gccaaagatca agggggcttg agcaccagga 120
gccccgcag ttgctgaatg accagcggag ggcaggtgcc agcctgtggc aaaataggaa 180
agaaaaggac aggatgggga cttcaccatt tttttcagcc ttaaattgtt ccttaaacct 240
tcatgtcctt ttctctaatt tgtgttcttg tttggtaaaa taaaaaagtt tgtaaccctg 300
agttctctaa agatatacat tcttttttac tggtttgtga agtcagaagg atgagagctg 360
ctatttcttg gaaccgtgca ataaatatta gcatattcag tctcggttct gcctagagga 420
cctatttgc tttctttatc tcgtaaccca taactcacag gacattaacc aggggtgtcca 480
agaacagtct gggaaagttt tgataattac ttcagcattg ctgtgtgatg ggagacattg 540
ttttaaaa 548

```

```

<210> 456
<211> 354
<212> DNA
<213> Homo sapiens

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<400> 456
tcagtgggag tgaatcagta ggaatgtggg gaagggagtg aggggagacc ccctccttga 60
ctcagcagtg gtgacggtcg gtgtgtcctg cagacctgaa gccaaagatca agggggcttg 120
agcaccagga gccccgcag ttgctgaatg accagcggag ggcaggtgcc agcctgtggc 180
aaaataggaa agaaaaggac aggatgggga cttcaccatt tttttcagcc ttaaattgtt 240
ccttaaacct tcatgtcctt ttctctaatt tgtgttcttg tttggtaaaa taaaaaagtt 300
tgtaaccctg agttctctaa agatatacat tctattttac tggtttgtga agtc 354

```

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<210> 457
<211> 570

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<212> DNA
 <213> Homo sapiens

<400> 457

```
cttttatagg attcatttaa aggtgaataa aataatgaat gtgaaactca tattagagct 60
taacatatag tagtaatgat ttataaaata tttgcctccc ttagaccaga gcagctacta 120
aatttgattt taataataag ataaacaaat taataagatc acaaagttgt tatgtaataa 180
cataaacagc tgtgttaaaa ttagtagtga cccatatcaa agaaacacaa ttacaaagag 240
attaagaagg ataatattta aagtgtagct ttactcagtc ttttgtgtga aggtattctt 300
agggataaaa caatgtattt ggaagctgct ggaagaatat ggtgcaaaga atatttttaa 360
atgcttgtga atgttctgta accacaaaca tagatacata acagatcaaa gacatatattt 420
agactgccat gtggacttaa atcatgggag gcggaagagt ggctcccaa agaggactat 480
atcgtaatac cagaacttgt gaatatatta ctttaagtgg caaaagggac tttacagatg 540
tgattaaaat taaggacctt gaaatggggg 570
```

<210> 458
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 458

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aactagactt cttttatagg attcatttaa aggtgaataa aataatgaat gtgaaactca 60
tattagagct taacatatag tagtaatgat ttataaaata tttgcctccc ttagaccaga 120
gcagctacta aatttgattt taataataag ataaacaaat taataagatc acaaagttgt 180
tatgtaataa cataaacagc tgtgttaaaa ttagtagtga cccatatcaa agaaacacaa 240
ttacaaagag attaagaagg ataatattta aagtgtagct ttactcagtc ttttgtgtga 300
aggtattctt agggataaaa caatgtattt ggaagctgct ggaagaatat ggtgcaaaga 360
atatttttaa atgcttgtga atgttctgta accacaaaca tagatacata acagatcaaa 420
gacatatattg agactggcat gtggacttaa atcatgggag gcggaagagt ggctcccaa 480
agaggactat atcgtagtac cagaacttgt gaatatatta ctttaagtgg caaaagggac 540
```

<210> 459
 <211> 622
 <212> DNA
 <213> Homo sapiens

<400> 459

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acttaagatt ttttcaatgt aagaaaaatg caatgaataa atagctgcaa ataccacta 60
ctaacaattg cttggccttc ttatatagac ctcccgaggt tctcatcttt tacatttcag 120
gagtagaatc agttaaaaac taatctttat atgtaaggga tgagagagag aaagaggagg 180
gtatgtgtat gcacacatgt gtgtgtgtgt ggtgggtagt aattttaatt caatgattta 240
ctagagttcg atgtcgtttg ctgataaatg aagcaggagg aagagccagg tttggagggg 300
acgagagaat gagttccatt tgtctcatat agaagttgaa gtaactgagt gatgatgggt 360
agagatgtcc ctcaggggta gccacagtat tttatttact ttttattcac cacatgcagc 420
aaggagcttt gttctccaaa atgctgtcaa ttatttttct aaattacagg tttgattgct 480
tcaactgtatt ttcattgtctc attactacct ttacgcttaa aaccagaaac tgtgccacag 540
cgttaaagat tctgctaact tttaaaatac agaactctgg agatgccata attagattgc 600
agatttatga gtcttctgga ta 622
```

<210> 460
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 460

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acaatggggt tgttctctgc cttataaatt gggggattct agaggagtct gcttttctcc 60
caagaaggac ctcttctttt cttgcttttc atatgctctc cttgagatat cttgggtatt 120
ctcatggctt taaatagcac ttatatccag aagactcata aatctgcaat ctaattatgg 180
catctccaga gttctgtatt ttaaaagtta gcagaatctt taacgctgtg gcaaagtttc 240
tggttttaag cgtaaaggta gtaatgagac atgaaaatac cgtgaagcca tcaaacctgt 300
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aattttaaaaa aataattgac agcatttttgg agaacaaagc tccttgctgc atgtgggggaa 360
 taaaaagtaa ataaaaata 378

<210> 461
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 461
 ccttctgctc tacgagaact atgggcagtc ggaaacggga ctaatttgtg ccacctactg 60
 gggaatgaag atcaagccgg gtttcatggg gaaggccact ccaccctacg acgtccaggt 120
 cattgatgac aagggcagca tcctgccacc taacacagaa ggaaacattg gcatcagaat 180
 caaacctgtc aggcctgtga gcctcttcat gtgctatgag ggtgaccag agaagacagc 240
 taaagtggaa tgtggggact tctacaacac tggggacaga ggaaagatgg atgaagaggg 300
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<210> 462
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 462
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 acagggtgtga gccatcacac ccagcctaata atacaatctc aaatatattt ttttaaataca 180
 ttacttactg aactataaag taaaactaat ttttagacag cattttaata catattttac 240
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 aaatcaaata taatcttatg gctcaaaatc attagtgtta atattttgat acctaccttc 360
 cccatctttt gcctacgaat actgggttaa gagtttttaa atagtttgt ccttgctttg 420
 taattttcgt atgttctcac aaaagagaag ctgaggaagc atttggtat tgggaaaatt 480
 aattaataga tgttaactta ccaagatata ctataataga ttagacagc 529

<210> 463
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 463
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 aatggaagtt agttggttgc tatgatccaa aaactctatg ggtgaaaatt taaagtacag 180
 atttcttatt taatcgttaa acagctttag ttgtgagttc tatgtcctgg tataatggat 240
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 taccaatcaa agaaaactca aagcatggga ttaagagggg ttggccaaaa gtatttggac 360
 caggttgcac accaggacca tgaagaaatt gagaacagag cctacatctt ttatactatg 420
 gctcaaagca agggctgttg gaatgtgctg cttctccaaa gtaggactta tgaaaaaatg 480
 aggt 485

<210> 464
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 464
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 aatagcagct gaaattggca gggattttga ctattcaaat aatgggtgag tagaagggat 180
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 atagttgtgg caaaagatga tctaagagtg tgtgtgtatg tgtgtgagtg agagagagaa 360

atctcaagaa	atagtggcta	tggtgttgaa	cactacatga	aagcaaccta	aaacagctgt	420
gtgaagttag	aaaaggtact	ctggaccata	ttgccctgta	aaagctcagg	aaaactaatt	480
ttgcataaac	ataagcaaca	ggaaattatt	gctgtcaaat	ctcattcaga	gttattgtac	540
aaaaaaagag	acaagaatcc	ctatagacaa	tgaaag			576

<210> 465
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 465						
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gatagtaact	caagtagcaa	taagttacac	agttgtgcc	tttgtgcttc	tttctataaa	180
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gctctcacia	tccaaaaagt	ttgatgaagg	agaaaattct	ttgggacaga	acagtttttc	360
tacaacaaac	aatgtttgca	atcagaatca	agaaatagcc	tcgagacatt	catcactaaa	420
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<210> 466
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 466						
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ctatgagaaa	taacttttaga	cattattttca	ttgaaccttc	ccaactgaaa	ttatttttatg	120
atgtttataac	atggatagta	actcaagtag	caataagtta	cacagttgtg	ccattttgtgc	180
ttcttttctat	aaaaccatca	ctcacgtttt	acagctcctg	gtattattgc	ctgcacattc	240
ttggtatctt						250

<210> 467
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 467						
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aaggttcaca	gagtgaatca	taggcataaa	gtccttcagg	tggtaaatgg	caaggctggg	180
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cttatttttt	tatctcctta	cctttccag	aattcatagt	aggacttggc	tggtgaaagg	420
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<210> 468
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 468						
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ttggccctcg	aataaaaacc	ttattttttt	atctccttac	ctttcccaga	attcatagta	420

ggacttggct	ggtgaaaggc	tggttgctga	gaaggctaca	gtgtggctag	gctgcagttc	480
cctgttatta	cattgcccc	ggtattaata	ttgtatat	aggcagctgt	tctcatccgt	540
gcctggcagt	gaaa					554

<210> 469

<211> 537

<212> DNA

<213> Homo sapiens

<400> 469

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ttccactcat	tttctctga	aacaacagag	aaagagacca	tctctcattc	gcagagcagc	180
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gctgctgctc	agaggcccta	ggtgctgcgc	tgctcactgc	cctcacgtct	ctgggacttc	420
cacacataaa	gccatctctt	tccattgcac	tatggcactt	gtaggaggga	tcccacactt	480
agggcccaaa	atgagaccat	ttgagtcaaa	tttctaattg	tctttcaaat	tttatta	537

<210> 470

<211> 492

<212> DNA

<213> Homo sapiens

<400> 470

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ttccactcat	tttctctga	aacaacagag	aaagagacca	tctctcattc	gcagagcagc	180
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cacacataaa	gccatctctt	tccattgcac	tatggcactt	gtaggaggga	tcccacactt	480
agggcccaaa	tg					492

<210> 471

<211> 509

<212> DNA

<213> Homo sapiens

<400> 471

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tatacccagt	gatgtctcga	ttagcactta	ttataaaaaat	taaaatttat	aattcaacat	120
ttataccatc	cagaaaaagt	taaaatatat	taatagccta	tttctcttca	ataaagcgta	180
tatataactc	tatttggtta	tgtttctatt	ctccatgaca	ttctgtttat	agataagccc	240
tatgctatct	ctagtcaagt	gctaattctct	tgaatgaagc	tgaattaggt	agtcaactac	300
tagatgtatc	ctgaaaagca	agtaattgtgt	atatttcatt	tattttatac	ataagagcta	360
cagactgttg	tcacaatctt	ttcaagggtc	attaaattca	ttattttaac	taacattttt	420
gaacatctgt	cttatgttgt	taattgagga	catttctgaa	tgtataacaa	cataagaata	480
atagttgtta	aacttcaaag	agatgacag				509

<210> 472

<211> 649

<212> DNA

<213> Homo sapiens

<400> 472

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gtgatgtctc	gattagcact	tattataaaa	attaaaaattt	ataattcaac	atttatacca	120
tccagaaaaa	gttaaaatat	attaatagcc	tatttctctt	caataaagcg	tatatataac	180

tctatttggt	aatgtttcta	ttctccatga	cattctgttt	atagataagc	cctatgctat	240
ttctagtcaa	gtgctaactt	cttgaatgaa	gctgaattag	gtagtcaact	actagatgta	300
tcctgaaaag	caagtaatgt	gtatatttca	tttattttat	acataagagc	tacagactgt	360
tgtcacaatc	ttttcaaggg	ctattaaatt	cattatttta	actaacattt	ttgaacatct	420
gtcttatggt	gttaattgag	gacatttctg	aatgtataac	aacataagaa	taatagtttt	480
taaacttcaa	agagatgaca	ggttaatgag	taaaggagaa	atatgaaata	tcacagaatt	540
ccttgacact	aaatgatgtt	ttgcaaatac	tgaacagaat	gatgtttgta	aactttccac	600
tggttttcaa	gagtcctaaa	acattaggaa	aatgtacatc	acctaactt		649

<210> 473
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 473						
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agttttacat	ttcactggac	tagataaaaa	atgggtgctaa	tatttatgta	gcttgatgct	120
atagttgctt	tggtatcaaa	cttaatacct	aacccatata	agatccttat	tatataattt	180
tgtgatcagt	aaaatgatat	tttaaagagt	gatcttaaaa	atatgacctg	gtcattgcac	240
aacgtttgca	tttgaaatga	atttttgtac	tataggggtg	atatggagtt	attcagtgca	300
agtgtgtgct	taatatacaa	ccctatgcaa	ggagctatgt	ctagattttt	ggtccgaatt	360
tgcctccttc	aagcctacta	gtgtgagatg	gaaaaaaatc	gattgctctt	ttaatattat	420
ttccattttg	aaattctcga	cacttgaatg	aaggcagtag	aagcctcttt	ttggattttc	480
cttctaataa	caaa					494

<210> 474
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 474						
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cactggacta	gataaaaaat	gggtgctaata	tttatgtagc	ttgatgctat	agttgctttg	120
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aatgatattt	taaagagtga	tcttaaaaaat	atgacctggt	cattgcacaa	cgtttgcat	240
tgaatgaat	ttttgtacta	tagggtggat	atggagttaa	tcagtgcagg	tgtgtgctta	300
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gcctactagt	gtgagatgga	aaaaaatcga	ttgctctttt	aatattattt	ccattttgaa	420
attctcgaca	cttgaatgaa	ggcagtagag	gcctcttttt	ggattttctt	tctaataaca	480
aaactttatt	tagggaaggt	ttccctgtgc	tatcgtaagt	ttgttttgag	cactgcattc	540
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taattccggg	gttgatattt	ctaagaacta				630

<210> 475
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 475						
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ttatctgttc	tagaaagcag	cacacgcagt	tccagcaaaa	aaaaaaaaaa	aaaaaaaaatt	120
tttttttttt	ccccctttt	tttttttttt	ttcccc			156

<210> 476
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 476						
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tgtgcttct	cgcggcgctt	gtggccccag	ccacagccgc	cactgcctac	cggccggact	120

ggaaccgtct	gagcggccta	acccgcgccc	gggtagagac	ctgcggggga	tgacagctga	180
accgcctaaa	ggaggtgaag	gctttcgtca	cgcaggacat	tccattctat	cacaacctgg	240
tgatgaaaca	cctccctggg	gccgaccctg	agctcgtgct	gctggggccg	cgctacgagg	300
aactagagcg	catcccactc	agtgaatga	cccgcgaaga	gatcaatgcg	ctagtgcagg	360
agctcggctt	ctaccgcaag	gcggcgcccc	acgcgcaggt	gccccccgag	tacgtgtggg	420
cgccccgcaa	gccccagag	gaaacttcgg	accacgtga	cctgtaggtc	cgggggcgcg	480
gcggagctgg	gacctacctg	cctgagtcct	ggagacagaa	tgaagcgctc	agcatcccgg	540
gaatacttct	cttgctgaga	gccgatgccc	gtccccggg			579

<210> 477

<211> 472

<212> DNA

<213> Homo sapiens

<400> 477

ggcttagcgg	ataacaattt	cacacaggag	ctagcagaca	ccacaagata	ccaacagagc	60
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cggccaccct	cagcatgagg	aacacgagcg	tcataagaa	agggggcata	ttctctgcag	300
aattttctgaa	agatttcctt	ccatctctgc	tgctctctca	tttgcctggc	atcggtattg	360
ggatctatat	tggaaggcgt	gtgacaacct	ccaccagcac	cttttgatga	agaactggag	420
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<210> 478

<211> 355

<212> DNA

<213> Homo sapiens

<400> 478

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aaggtcactg	aaaaatcttc	aattggacta	tggtgacctc	tatcttatac	atcttccatt	120
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cacagtggat	ctctgtgcca	catgggaggc	catggagaag	tgtaaagatg	cacgattggc	240
caagtccatc	ggggtgtcca	acttcaacca	caggctgctg	gagatgatcc	tcaacaagcc	300
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<210> 479

<211> 510

<212> DNA

<213> Homo sapiens

<400> 479

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taaattgtgt	tttaattgta	aaaatggcag	ggggtggaat	tattactcta	tacattcaac	180
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tcttttcgga	aatcttaaac	cttaagatac	taaggacgtt	gttttggttg	tactttggaa	420
ttcttagtca	caaaatatat	tttgttttaca	aaaatttctg	taaaacaggt	tataacagtg	480
tttaaagtct	cagtttcttg	cttggggaac				510

<210> 480

<211> 371

<212> DNA

<213> Homo sapiens

<400> 480

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tcattcctcct ggaaccttgc tgtcctgac tgtgatagtt caccctcga gatccctga 180
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tataaaaggg g                                     371

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<210> 481
 <211> 543
 <212> DNA
 <213> Homo sapiens

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<400> 481
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ctg                                     543

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<210> 482
 <211> 415
 <212> DNA
 <213> Homo sapiens

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<400> 482
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gcttttcagg gagctatggt gcaagctcaa aagtaatcca ctaacgaacc aagtcaaaact 180
ccagttttta ataaaaaggg gctgggggag gttgtcaaac cccttccaat ataaatcccc 240
aatccgatgg ccaccaaag aaaaagcacc agggatggaa ggaaaacttt caaaaattct 300
gcaaaaaata tgcccccttt tttaatgacc ctcggttcc taatgctaag gggggccgcc 360
cccttcgggg gttaaaaaag gaactccttg gggggaatat tttccggccg acttg 415

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<210> 483
 <211> 240
 <212> DNA
 <213> Homo sapiens

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<400> 483
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aatcccttcc ttttttgctt aaattttatg tatacgggtt cttcaaagtc gtggtagggg 120
ggggggcatc catatagtcc ctccagggtt atggagggtt cttctactat taggactttt 180
cgcttcaaaa caaaggcttt tcaaatcatg aaaattttta attttctgct tgttaaaaaa 240

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<210> 484
 <211> 293
 <212> DNA
 <213> Homo sapiens

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<400> 484
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tagacctatt cgatcagaga tacaggggac taacaatcac aatcctgtga tcgacatccg 120
aacataagtc actatctatc agaataaaca atgattccaac gaataataga ggagtaaggg 180
gacatgtcca aagcatcagg tatcgtcatg atcgaaaacc actgtcaagc aagacacaaa 240
caaacaaaac agcttttacac acaagtcagc agtccaagcg ttcattgtccc aag 293

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<210> 485
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 485
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 tacctacaaa gggaatttca tcttggtccc atgctgagta gggaaacagg gacaaagtta 120
 atcataatac cctacatcaa aaaaaaacta agctaacact gctaactttt tttttaacag 180
 gcaaaatata aatatatgcc ctctaaaatg cccaagggtt t 221

<210> 486
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 486
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 cagacaccca aacagccgtg gccccagagg tccctggccaa atatgggggc ctgcctaggt 180
 tgggtgaaca gtgctcctta tgtaaaactga gccctttgtt taaaaaacia ttccaaatgt 240
 gaaactagaa tgagagggaa gagataacat ggcattgcgc acacacggct gctccagttc 300
 atggcctccc aggggtgctg gggatgcac caaagtgggt gtctgagaca gagttggaaa 360
 cctcaccaca ctggcctctt caccttccac attatcccgc tgccaccggc tgccctgtct 420
 cactgcagat tcaggaccag cttgggctgc gtgcgttctg ccttgccagt cagccgagga 480
 tgtagtgtgt gctgccgtcg tcccaccacc tcagggacca gagggctagg ttggcactgc 540
 ggcctcacc aggtcctggg ctc 563

<210> 487
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 487
 ctcatatggt caggtcgctt caaaaaggaa gatgaaatcc cagagactgt ctcggttgag 60
 atgcttgatg ctgcaaagaa caagatgcga gtgaagatca gctatctaata gattgccctg 120
 acgggtgtag gatgcattct catggttatt gagggcaaga aggctgcccc aagacacgag 180
 actttaacaa gcttgaactt agaaaagaaa gctcgtctga aagaggaagc agctatgaag 240
 gccaaaacag agtagcagag gtatccgtgt t 271

<210> 488
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 488
 ggcttgtaat acgactcact atagggtctt ttttttttcg aattaaaaaa attccgttag 60
 ctttttctcc atctcctcta attctggtag catcttttga cccctaacac ttggcatctg 120
 ctacttcaga caaacaacc ctatgtaaat gacaaagaag gggcctccca accttctccc 180
 tgtgttacta tttcaaaagc actactcggg gcacaggggt acaaatttct tatggccact 240
 agcatctttt ttcaattttc aaaggaatca tcaaacatct ggggtcaatta tacttaaatt 300
 acagaagccc ggaatttttag gcaacaggcc cctcatttta cc 342

<210> 489
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 489
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 cgattccttc cttttttgtc taaattttat gtatacgggt tcttcaaagt tgtggtaggg 120

tggggggcat	ccatatagtc	actccagggt	tatggagggt	tcttctacta	ttaggacttt	180
tcgcttcgaa	gcgaaggctt	ctcaaatacat	gaaaattatt	aatattactg	ctgttagaaa	240
aatgaatgag	cctaccgatg	ataggatggt	tcatgtgggt	tatgcatcgg	ggtagtccga	300
gtaacgtcgg	ggcattccgg	ataggg				326

<210> 490
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 490	tttttttttt	tttttttttt	agaaaccggg	gggggttttt	tttttaaaat	tgggg	55
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<210> 491
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 491	cgccgcgtcc	ccttctcgtc	cctgcggggc	cccagctggg	accccttcgc	cgactggtac	60
	ccgcatagcc	gcctcttcga	ccaggccttc	gggctgcccc	ggctgccgga	ggagtggtcg	120
	cagtggttag	gcggcagcag	ctggccaggc	tacgtgcgcc	ccctgcccc	cgccgccatc	180
	gagagccccg	cagtggccgc	gcccgcctac	agccgcgcgc	tcagccggca	actcagcagc	240
	gggggtcttcg	gagatccggc	acactgcgga	ccgctggcgc	gtgtccctgg	atgtcaacca	300
	cttcgccccg	gacgagctga	cggccaagac	caaggatggc	gtggtggaga	tcaccggcaa	360
	gcacgaggag	cggcaggacg	agcatggcta	catctcccg	tgcttcacgc	ggaaatacac	420
	gctgcccccc	ggtgtggacc	ccacccaagt	ttctctctcc	ctgtccctcg	agggcacact	480
	gaccgtggag	gcccccatgc	ccaagctagc	cacgcagtc	aacgagatca	ccatcccagt	540
	caccttcgag	tcgcgggc					558

<210> 492
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 492	ggctagcgga	taacaatttc	acacaggatg	gattggtcag	agtgaattga	atattgtaag	60
	tcagccactg	ggaccgagag	atttctggga	ccccgcagtt	gggaggagga	agtagtccag	120
	ccttcaggt	ggcgtgagag	gcaatgactc	gttacctgcc	gcccatacc	ttggaggcct	180
	tccttggcct	tgagtagaaa	agtcggggat	cggggcaaga	gaggctgagt	acggatggga	240
	aactattgtg	cacaagtctt	tcagaggag	tttcttaatg	agatatttgt	atttatttcc	300
	agaccaataa	atttgtaact	ttgcgaaaaa	aaaaaagccc	tatagtgagt	cgtattacaa	360
	gccgaattcc						370

<210> 493
 <211> 560
 <212> DNA
 <213> Homo sapiens

<400> 493	cagccagcat	gaccgagcgc	cgcgctccct	tctcgctcct	gcggggcccc	agctgggacc	60
	ccttcgcgga	ctggtacccg	catagccgcc	tcttcgacca	ggccttcggg	ctgccccggc	120
	tgccggagga	gtggtcgcag	tggttaggcg	gcagcagctg	gccaggctac	gtgcgcccc	180
	tgccccccgc	cgccatcgag	agccccgcag	tgccgcgcgc	cgccatacgc	cgcgcgctca	240
	gccggcaact	cagcagcggg	gtctcggaga	tccggcacac	tgccgaccgc	tggcgcgtgt	300
	ccctggatgt	caaccacttc	gccccggacg	agctgacggg	caagaccaag	gatggcgtgg	360
	tgagatcac	cggcaagcac	gaggagcggc	aggacgagca	tggtacatc	tcccgtgtgt	420
	tcacgcggaa	atacacgctg	ccccccgggt	tggaccccc	ccaagtttcc	tcctccctgt	480
	cccctgaggg	pacactgacc	gtggaggccc	ccatgcccaa	gtagccacg	cagtcacaacg	540
	agatcaccat	cccagtcacc					560

<210> 494
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 494
 ggcttgtaat acgactcact atagggcttt tttttttgca agtgctgtgg gaagaaagtt 60
 agatttacgc cgatgaatat gatagtgaat tggatttttg cgtagggttg gtctagggtg 120
 tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa tacagctcct 180
 attgatagga catagtggaa gtgagctaca acgtagtacg tgtcgtgtag tacgatgtct 240
 agtgatgagt ttgctaatac aatgccagtc aggccaccta cgggtgaaaag aaagatgaat 300
 cctaggggctc aaagcactgc agcagatcat ttcataattgc ctccgtggag tgtggcgagt 360
 cagctaaata ctttgacgcc ggtggggata gcgatgatta tggtagcatc atcctgtgtg 420
 aaattgttat ccgctaagcc gaa 443

<210> 495
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 495
 tttttttttt cgaaggattt ggcaaagatt tgtttttttt tccattttcca gtttttttaa 60
 gtaaacacag atttgcttaa aataaagctg attttaaaag cccacaaaag ttgaacacaa 120
 aggagaggat taaattcccc aatgcagagt gataaaaagg aaaagatcct gagtaggtgc 180
 cttcagcaaa aaactgatca tccagggtga tcacctaata atcggagact taattcctta 240
 taatgcaaa 249

<210> 496
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 496
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 cagtgcgcaa gaatcatgaa agtcgccagt ggcagcaccg ccaccgccgc cgcggggccc 120
 agctgcgcgc tgaaggcccg caagacagcg agcgggtgcg gcgaggtggt gcgctgtctg 180
 tctgagcaga gcgtggccat ctgcgcgtgc gccgggggcg ccggggcgcg cctgcctgcc 240
 ctgctggacg agcagcaggt aaacgtgctg ctctacgaca tgaacggctg ttactcacgc 300
 ctcaaggagc tggtgcccac cctgccccag aaccgcaagg tgagcaaggt ggagattctc 360
 cagcacgtca tcgactacat cagggacctt cagttggagc tgaactcgga atccgaagtt 420
 ggaacccccg gggg 434

<210> 497
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 497
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 ttctcaaata atgaaaatta ttaataattac tgctgttaga gaagtgaatg accctacaga 120
 tgataggatg tttcatgtgg tgtatgcatc ggggtagtcc gagtaacgtc ggggcattcc 180
 ggataggccg aaaaagtgtt gtgggaaaaa agttagattt accccgatga atatgatagt 240
 gaaatggatt ttggcgtagg tttggtctag ggtgtaccct gagaataggg gaaatcagtg 300
 aatgaagcct cctatgatgg caaatacagc tcctattgat aggacatagt ggaagtgagc 360
 tacaacgt 368

<210> 498
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 498
ccagccttcc tgtccccggc cagcgctctg acatgcagaa ggtgaccctg ggcctgcttg 60
tgttccctggc aggcctttcct gtcctggacg ccaatgacct agaagataaa aacagtcctt 120
tctactatga ctggcacagc ctccagggtg gcgggctcat ctgcgctggg gttctgtgcg 180
ccatgggcat catcatcgtc atgagtgcaa aatgcaaatg caagtittggc cagaagtccg 240
gtcaccatcc aggggagact ccacctctca tcaccccagg ctgagcccaa agctgatgag 300
gacagaccag ctgaaattgg gtggaggacc gttctctgtc cccaggctcct gtctctgcac 360
agaaacttga actccaggat ggaattcttc ctctctgtct gggactcctt tgcattggcag 420
ggcctcatct cacctctcgc aagagggtct ctttgttcaa tttttttta tctaaaatga 480
tt 482

<210> 499

<211> 489

<212> DNA

<213> Homo sapiens

<400> 499
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acacacgctc cagcccttca tcagcctggg cagtcttacc aaaatgttta aagtgatctc 120
agaggggccc atggattaac gccctcatcc caaggctcgt cccatgacat aacactccac 180
acccgccccca gccaaacttca tgggtcactt tttctggaaa ataatgatct gtacagacag 240
gacagaatga aactcctgcg gctctttggc ctgaaagttg ggaatggttg ggggagagaa 300
gggcagcagc ttattggttg tcttttcacc attggcagaa acagtgagag ctgtgtggtg 360
cagaaatcca gaaatgaggt gtagggaatt ttgcctgcct tcctgcagac ctgagctggc 420
tttggaatga ggttaaagtg tcagggacgt tgcctgagcc caaatgtgta gtgtggtctg 480
ggcaggcag 489

<210> 500

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 500

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<210> 501

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 501

aacttctacc gtttcgccac taagg 25

<210> 502

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 502

gaccgtgtac tgcgtgtcgt gcg 23

<210> 503

<211> 23
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 <220>
 <223> Oligonucleotide primer

 <400> 503
 gcgtgctgtg cgtcattgtgc cag 23

 <210> 504
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 504
 gccgtcttca ggcaacaact ccca 24

 <210> 505
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 505
 tgctggacga ggctgtcatc ttgc 24

 <210> 506
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 506
 acaggagaaa aactggttgt cctgg 25

 <210> 507
 <211> 23
 <212> DNA
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 <220>
 <223> Oligonucleotide primer

 <400> 507
 aaggcagaac ccatccactc caa 23

 <210> 508
 <211> 25
 <212> DNA
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 <220>
 <223> Oligonucleotide primer

<400> 508
 gctgctggat tcgtttggca taact 25

 <210> 509
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 509
 tcaatacggg ttgcttaggt cgtcg 25

 <210> 510
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 510
 tctcctctga gttcaaccgc tgct 24

 <210> 511
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 511
 tcgtcgccaa cttgagtctc ctct 24

 <210> 512
 <211> 406
 <212> PRT
 <213> Homo sapiens

 <400> 512
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 Lys Glu His His Asn Gly Asn Phe Thr Asp Pro Ser Ser Val Asn Glu
 20 25 30
 Lys Lys Arg Arg Glu Arg Glu Glu Arg Gln Asn Ile Val Leu Trp Arg
 35 40 45
 Gln Pro Leu Ile Thr Leu Gln Tyr Phe Ser Leu Glu Ile Leu Val Ile
 50 55 60
 Leu Lys Glu Trp Thr Ser Lys Leu Trp His Arg Gln Ser Ile Val Val
 65 70 75 80
 Ser Phe Leu Leu Leu Leu Ala Val Leu Ile Ala Thr Tyr Tyr Val Glu
 85 90 95
 Gly Val His Gln Gln Tyr Val Gln Arg Ile Glu Lys Gln Phe Leu Leu
 100 105 110
 Tyr Ala Tyr Trp Ile Gly Leu Gly Ile Leu Ser Ser Val Gly Leu Gly
 115 120 125
 Thr Gly Leu His Thr Phe Leu Leu Tyr Leu Gly Pro His Ile Ala Ser
 130 135 140

ctatctatca ttaactccat ggcacaaagt tatgccaaac gaatccagca gcggttgaac 1200
 tcagaggaga aaactaaata a 1221

<210> 514
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 514
 gtgctgtccc cggcataggt ccatctctgc agaagccatt tcaggagtac ctggaggctc 60
 aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acaggagagaa aactgcttgt 120
 cctggatggt tgaaaagtcg gtcgatgtca tgggtgtgta cttcatccta tctatcatta 180
 actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca gaggagaaaa 240
 ctaaataagt agagaaagtt ttaaactgca gaaattggag tggatgggtt ctgccttata 300
 ttgggaggac tccaagccgg gaaggaaaat tccctttt 338

<210> 515
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 515
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 cagttttctt gccgttctgt aagtgtttta ttcttagtgt gatttttttc cattgggatg 120
 tttttgattg aacttggtca ttttgttttg cttgggagga aaataaacia ttttactttt 180
 ttcctt 186

<210> 516
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 516
 acaggagagaa aactggttgt cctggatggt tgaaaagttg gtcgttgtca tgggtgtgta 60
 cttcatccta tctatcatta actccatggc acaaagttat gccaaacgaa tccagcag 118